STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
MARINE RESOURCES OPERATIONS

FISH BULLETIN No. 111

THE MARINE FISH CATCH OF CALIFORNIA

For the Year 1959

BY THE BIOSTATISTICAL SECTION
MARINE RESOURCES OPERATIONS

1960

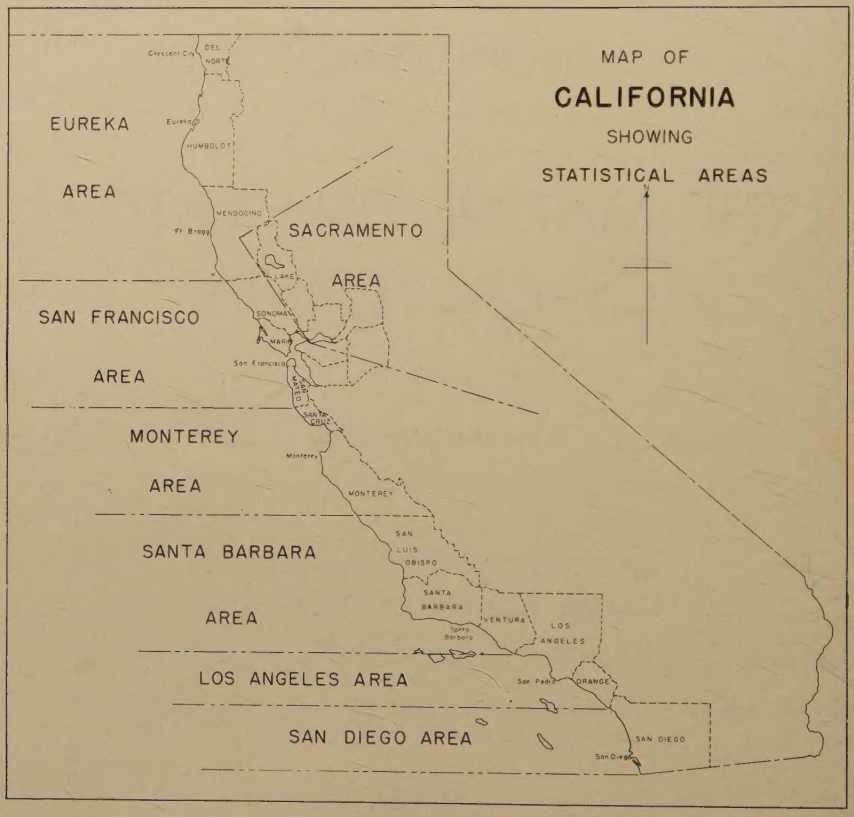
MAP OF
CALIFORNIA
SHOWING
STATISTICAL AREAS
EUREKA
AREA
SACRAMENTO
AREA
SAN FRANCISCO
AREA
MONTEREY
AREA
SANTA BARBARA
AREA
LOS ANGELES AREA
SAN DIEGO AREA
DEL NORTE
HUMBOLDT
MENDOCINO
LAKE
SONOMA
MARIN
SAN FRANCISCO
SAN MATEO
SANTA CRUZ
MONTEREY
SAN LUIS OBISPO
SANTA BARBARA
VENTURA
LOS ANGELES
ORANGE
SAN DIEGO

FIGURE 1

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FOREWORD

Catch Bulletins provide records of California's commercial fishery landings and their value to fishermen. This report for 1959 is the 19th in the series. Prior records have been published regularly beginning with those for 1926 and 1927.

Bulletin titles have varied slightly through the years, reflecting the increasing importance of marine species as fresh water catches dropped to insignificance. The first 15 bulletins, for the years 1926 through 1952, were entitled, "The Commercial Fish Catch of California" but since 1953 they have been entitled, "The Marine Fish Catch of California."

In recent years, a need has arisen for faster publication of catch statistics. Consequently, figures will henceforth be published annually instead of biennially.

The statistical system and methods used to collect the records were fully described in Fish Bulletin 86, which reported the catch for 1950. In the intervening 10 years, methods and equipment have been modified to accelerate production but the basic principles have remained unchanged.

California's commercial fishery records system is based on complete enumeration of the catch. Each fish dealer makes a quadruplicate record of every catch he receives from fishermen and one of these is promptly sent to the Department of Fish and Game. This insures greater accuracy than any known sampling plan. Within the department, many individuals expend considerable effort to insure completeness of basic records. Published figures are of national and international concern and are used by fisheries scientists, legislators, chambers of commerce, members of the fishing industry, educators and others.

Tabular arrangement in this edition follows the one devised by John E. Fitch, Marine Resources Editor, used in the preceding bulletin.—*James H. Ryan*

EXPLANATION OF TABLES

Twenty-one of the following 23 tables summarize in various ways the final 1959 records of fish, mollusks and crustaceans landed in California by the commercial fleet, and those recorded as imported for processing. Records of fish imported or transshipped into California from other states or countries are placed in two categories: those received for processing, and those destined for sale in a fresh state. Processing refers to canning, smoking, pickling or drying. A complete record is maintained on all fish imported for such uses. However, the law is less stringent for reporting fish imported for sale in a fresh state, and consequently, such records are incomplete.

In California, almost all varieties of fish and shellfish are landed in a round condition, with the exception of substantial amounts of salmon and minor amounts of others. However, condition of fish landed by fishermen and sold to dealers cannot always be determined. Thus, figures included in these tables are as reported, irrespective of condition. Exceptions are made for some varieties of shellfish reported by counts, cleaned weights or units of measurement other than pounds. In order to determine round weight for these, conversion factors have been established by sampling at delivery points. To be realistic, the factors are changed as necessary. Currently factors applied to the eight important mollusks and crustaceans are:

Abalone, red	50 lbs. per doz.
Abalone, pink	25 lbs. per doz.
Abalone, green	35 lbs. per doz.
Clams, Mexican Pismo	8 lbs. round wt. per 1 lb. cleaned wt.
Clams, Washington	7 lbs. per doz.
Crab, market	2 lbs. each
Oyster, eastern	30 lbs. per 100 oysters
Oyster, giant Pacific	50 lbs. per 100 oysters

The values for each variety have been computed from prices paid the fishermen. These are minimal values, less than wholesale, and do not reflect the costs of trucking, unloading, ice or other items which may be deducted from the basic prices paid. When an amount is unspecified, the average price paid for that variety in its area is used (Figure 1).

Some varieties are reported collectively when, for economic or other reasons, dealers are unable to provide a specific separation (Table 1). Thus, silver salmon and king salmon are combined as salmon because the price differential between them is largely based on size, irrespective of species.

In September 1957, legislation was enacted prohibiting gill net fishing in the Sacramento River upstream from Carquinez Strait, near Vallejo. It was a conservation measure designed to protect declining spawning stocks of valuable salmon and striped bass. Salmon and shad had formerly composed the most important landings in the area, and

fishing for both was eliminated. By this action, the Sacramento Statistical Area was reduced to insignificance. Subsequently, landings there of all remaining species have been combined with those of the San Francisco Area—a procedure that will be continued as long as the Sacramento Area totals remain at their present magnitude.

Overall trends in the catch from 1916 through 1959 have been shown in Table 2 and Figure 2. Ranked pounds and values for 1959, along with reprinted 1958 figures for comparison, comprise Table 3. A similar comparison of 1958 and 1959, has been made for fishermen's areas of residence (Table 4) and for lengths of fishing boats (Table 5).

Poundages for 1959 are recorded by species and area in Tables 6-14. Values appear in Tables 15-21.

Catches made by marine party boat sport fishermen for the 10-year period through 1959 have been summarized in Table 22. Pounds of live bait used by marine sportsmen in 1959 have been listed in Table 23.

TABLE 1

Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1959 Commercial Catch

Common name	Scientific name
FISHES	
Anchovy	*Engraulis mordax*
Barracuda, California	*Sphyraena argentea*
Bonito	*Sarda chiliensis*
Cabezon	*Scorpaenichthys marmoratus*
Cabrilla	*Epinephelus analogus*
Carp	*Cyprinus carpio*
Croaker, white[1]	*Genyonemus lineatus*
Dolphinfish	*Coryphaena hippurus*
Eel	
California moray	*Gymnothorax mordax*
Monkeyface-eel	*Cebidichthys violaceus*
Rock-eel	*Xiphister mucosus*
Flounder	
Starry flounder	*Platichthys stellatus*
Small amounts of other flatfishes	
Flyingfish	*Cypselurus californicus*
Grouper	*Mycteroperca* species
Hake	*Merluccius productus*
Halfmoon	*Medialuna californiensis*
Halibut, arrowtooth	*Atheresthes stomias*
Halibut, California	*Paralichthys californicus*
Halibut, Pacific	*Hippoglossus stenolepis*
Hardhead	
Sacramento blackfish	*Orthodon microlepidotus*
Hardhead	*Mylopharodon conocephalus*
Herring, Pacific	*Clupea pallasii*
Lingcod	*Ophiodon elongatus*
Mackerel, jack	*Trachurus symmetricus*
Mackerel, Pacific	*Pneumatophorus diego*
Opaleye	*Girella nigricans*
Perch	Members of family *Embiotocidae*
Pompano, California	*Palometa simillima*
Rockbass	
Kelp bass	*Paralabrax clathratus*
Sand bass	*Paralabrax nebulifer*
Rockfish	All species of *Sebastodes* and *Sebastolobus*
Sablefish	*Anoplopoma fimbria*
Salmon	
King	*Oncorhynchus tshawytscha*
Silver	*Oncorhynchus kisutch*
Sanddab	*Citharichthys sordidus*
Sardine	*Sardinops caerulea*
Sargo, California	*Anisotremus davidsoni*
Sculpin	*Scorpaena guttata*
Sculpin, staghorn	*Leptocottus armatus*
Sea bass, black	*Stereolepis gigas*
Seabass, white	*Cynoscion nobilis*
Seatrout, greenling	*Hexagrammos decagrammus*
Shad	*Alosa sapidissima*
Shark	
Basking	*Cetorhinus maximus*
Bonito	*Isurus glaucus*
Dogfish	*Squalus acanthias*
Leopard	*Triakis semifasciata*
Soupfin	*Galeorhinus zyopterus*
Thresher	*Alopias vulpinus*
Varying amounts of others	
Sheep-head	*Pimelometopon pulchrum*
Sierra	*Scomberomorus sierra*
Skate	
Big	*Raja binoculata*
California	*Raja inornata*
Longnose	*Raja rhina*
Smelt	
Grunion	*Leuresthes tenuis*
Jacksmelt	*Atherinopsis californiensis*
Surf	*Hypomesus pretiosus*
Topsmelt	*Atherinops affinis*
Sole	
Dover	*Microstomus pacificus*
English	*Parophrys vetulus*
Petrale	*Eopsetta jordani*
Rex	*Glyptocephalus zachirus*
Sand	*Psettichthys melanostictus*
Varying amounts of others	
Splittail	*Pogonichthys macrolepidotus*
Sturgeon	*Acipenser* species
Swordfish	*Xiphias gladius*
Tuna	
Albacore	*Thunnus germo*
Bigeye	*Parathunnus sibi*
Bluefin	*Thunnus saliens*[2]
Skipjack	*Katsuwonus pelamis*
Yellowfin	*Neothunnus macropterus*
Turbot	
Curlfin	*Pleuronichthys decurrens*
Diamond	*Hypsopsetta guttulata*
Hornyhead	*Pleuronichthys verticalis*
Small amounts of others	
Wahoo	*Acanthocybium solandri*
Whitebait	*Allosmerus elongatus*
	Spirinchus starksi
	Young of several others
Whitefish, ocean	*Caulolatilus princeps*
Yellowtail	*Seriola dorsalis*
CRUSTACEANS	
Crab	*Cancer magister*
Crab, rock	*Cancer productus*
	Cancer antennarius
	Cancer anthonyi
Lobster, spiny	*Panulirus interruptus*
Shrimp, bay	*Crago franciscorum*
	Crago nigricauda
Shrimp, ocean	*Pandalus jordani*
Small amounts of others	
MOLLUSKS	
Abalone	
Pink	*Haliotis corrugata*
Red	*Haliotis rufescens*
Green	*Haliotis fulgens*
White	*Haliotis sorenseni*
Clam	
Gaper	*Schizothaerus nuttalli*
Jackknife	*Tagelus californianus*
Pismo	*Tivela stultorum*
Washington	*Saxidomus nuttalli*
Octopus	*Paroctopus appollyon*
Oyster	
Eastern	*Crassostrea virginica*
Giant Pacific	*Crassostrea gigas*
Native	*Ostrea lurida*
Squid	*Loligo opalescens*

[1]Includes small amounts of queenfish *Seriphus politus*.

Atlantic bluefin *Thunnus thynnus* sometimes is shipped into California. "Atlantic" has been designated in the tables when shipments are separated.

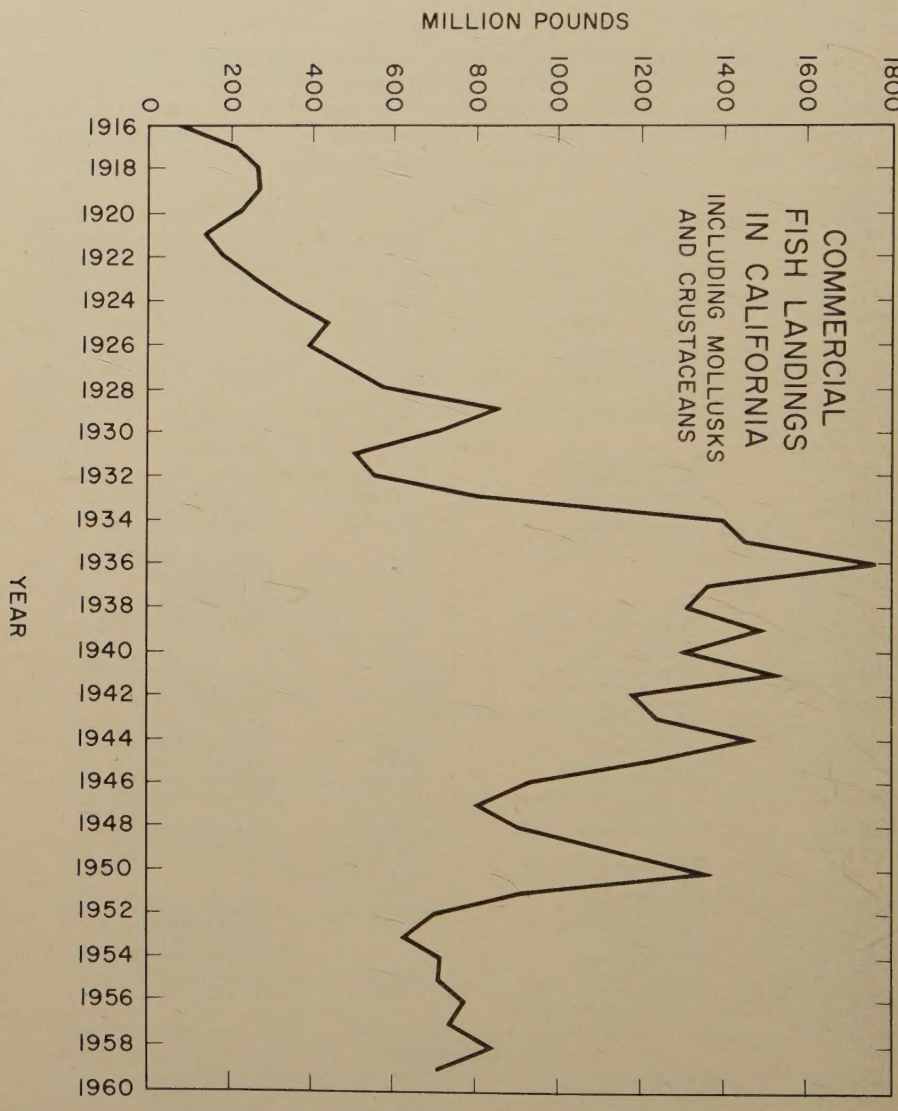

FIGURE 2. Total annual landings and shipments into California. Includes sardine deliveries to reduction ships 1930-38. See Table 2.

TABLE 2

Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks, and Crustaceans, Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938

Year	Thousands of pounds	Year	Thousands of pounds
1916	95,003	1941	1,529,148
1917	209,877	1942	1,173,414
1918	261,134	1943	1,234,049
1919	266,270	1944	1,459,446
1920	222,004	1945	1,216,467
1921	135,348	1946	919,850
1922	182,343	1947	795,499
1923	253,875	1948	900,540
1924	340,446	1949	1,135,325
1925	437,502	1950	1,366,596
1926	394,964	1951	904,088
1927	487,166	1952	694,977
1928	583,527	1953	618,899
1929	856,854	1954	713,406
1930	702,189	1955	710,714
1931	502,390	1956	772,549
1932	556,139	1957	738,550
1933	821,805	1958	832,919
1934	1,390,799	1959	713,491
1935	1,448,017		
1936	1,764,900		
1937	1,362,984		
1938	1,310,596		
1939	1,486,535		
1940	1,297,517		

TABLE 3

Landings and Shipments of Leading Species Ranked by Pounds and Value

1958					1959				
Species	Thousands of pounds	Rank	Thousands of dollars	Rank	Species	Thousands of pounds	Rank	Thousands of dollars	Rank
Yellowfin tuna	218,075	1	$29,725	1	Yellowfin tuna	210,992	1	$27,662	1
Sardine	207,446	2	5,439	4	Skipjack	146,210	2	15,388	2
Skipjack	148,158	3	17,034	2	Sardine	74,367	3	1,475	7
Albacore	54,673	4	9,946	3	Albacore	62,482	4	11,382	3
Bluefin tuna	31,249	5	4,097	5	Pacific mackerel	37,602	5	958	8
Pacific mackerel	27,648	6	672	10	Jack mackerel	37,507	6	897	9
Jack mackerel	22,066	7	531	11	Squid	19,653	7	342	14
Rockfish	17,842	8	794	8	Market crab	17,262	8	2,576	5
Market crab	17,283	9	2,061	6	Bluefin tuna	15,817	9	1,953	6
Anchovy	11,603	10	150	19	Rockfish	15,281	10	710	10
Giant Pacific oyster	9,599	11	225	17	Giant Pacific oyster	13,759	11	305	16
Dover sole	8,053	12	421	13	Dover sole	7,327	12	394	13
Squid	7,457	13	146	20	Anchovy	7,174	13	100	20
Bonito	5,558	14	217	18	Salmon	6,885	14	3,097	4
Bigeye tuna	5,392	15	739	9	English sole	4,617	15	312	15
English sole	5,150	16	348	15	Abalone	4,562	16	497	11
Abalone	4,224	17	422	12	White seabass	3,423	17	463	12
Salmon	4,122	18	1,929	7	Bonito	3,012	18	118	19
Petrale sole	3,158	19	331	16	Petrale sole	2,632	19	280	17
White seabass	2,850	20	396	14	Sablefish	2,239	20	148	18
All others	21,313		1,927		All others	20,688		2,052	
Totals	**832,919**		**$77,550**		**Totals**	**713,491**		**$71,109**	

TABLE 4

Licensed Commercial Fishermen

Area of residence	Number of fishermen by season[1]	
	1958-1959	1959-1960
Eureka	922	936
Sacramento	115	111
San Francisco	1,069	1,154
Monterey	777	727
Santa Barbara	535	534
Los Angeles	2,517	2,271
San Diego	2,122	1,592
Alaska, Washington and Oregon fishermen licensed in California	486	555
Mexican nationals licensed in California	16	24
Other registry	11	25
Totals	8,570	7,929

[1] The season is from April 1 to March 31.

TABLE 5

Number of Fishing Boats by Length

Season[1]	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 to 99 feet	100 feet and over	Total
1958-1959	731	1,729	1,060	147	59	113	3,839[2]
1959-1960	631	1,698	1,054	139	47	103	3,672[3]

[1] The season is from April 1 to March 31.
[2] The owners of 586 boats were issued fishing party licenses in 1958-59.
[3] The owners of 569 boats were issued fishing party licenses in 1959-60.

TABLE 6

Origin of Shipments of Fresh Fish Into California During 1959

Shipped from: Species	Pounds shipped to each area: Eureka	San Francisco	Los Angeles	San Diego	Total pounds
Continental United States:					
Salmon			36,627		36,627
Sturgeon			4,266		4,266
Tuna, bluefin (Atlantic)		32,610			32,610
Miscellaneous fish			69,428		69,428
Oregon, Washington, Canada and Alaska:					
Sablefish			301,041		301,041
Salmon	4,512		74,750		79,262
Sturgeon			25,415		25,415
Tuna, albacore			936,462		936,462
Miscellaneous fish			88,890		88,890
Mexico and Central America:					
Tuna, albacore		84,303	1,511,741		1,596,044
Tuna, bluefin			447,654		447,654
Tuna, skipjack			2,381,222	452,885	2,834,107
Tuna, yellowfin		1,369,942	17,881,394	1,246,137	20,497,473
Miscellaneous fish				175	175
Mollusk:					
Clam, Pismo			700,560		700,560
South America:					
Swordfish			16,058		16,058
Tuna, albacore			34,028		34,028
Tuna, skipjack			29,611,936	12,737,496	42,349,432
Tuna, yellowfin			8,956,289	3,332,909	12,289,198
Trinidad:					
Tuna, yellowfin			308,883		308,883
Japan:					
Tuna, albacore		3,380,560	21,588,182	2,120,306	27,089,048
Tuna, bigeye		40,000	688,649	1,483,000	2,211,649
Tuna, skipjack		342,320	2,163,372	39,303	2,544,995
Tuna, yellowfin		15,446,132	48,235,441	4,687,691	68,369,264
Australia:					
Tuna, bluefin		52,890	21,584		74,474
China: (Formosa)					
Tuna, albacore		86,400			86,400
Tuna, yellowfin		1,048,660	108,733		1,157,393
Total pounds	**4,512**	**21,883,817**	**136,192,605**	**26,099,902**	**184,180,836**

TABLE 7

Origin of Commercial Fish Landings and Shipments Into California During 1959

Species	Landings from				Shipments[1]	Grand total
	California waters	Waters north of State	Waters south of State	Total pounds		
Fish:						
Anchovy	7,173,739	----	----	7,173,739	----	7,173,739
Barracuda, California	1,110,409	----	42,192	1,152,601	----	1,152,601
Bonito	3,003,058	----	8,558	3,011,616	----	3,011,616
Cabezon	9,488	----	----	9,488	----	9,488
Cabrilla	----	----	4,762	4,762	----	4,762
Carp	466,748	----	----	466,748	----	466,748
Croaker, white	1,534,382	----	----	1,534,382	----	1,534,382
Eel	503	----	----	503	----	503
Flounder	1,004,684	42,242	----	1,046,926	----	1,046,926
Flyingfish	29,889	----	----	29,889	----	29,889
Grouper	----	----	285,932	285,932	----	285,932
Hake	1,041,231	55,838	----	1,097,069	----	1,097,069
Halfmoon	3,628	----	----	3,628	----	3,628
Halibut, arrowtooth	746,393	40,861	----	787,254	----	787,254
Halibut, California	345,286	----	8,956	354,242	----	354,242
Halibut, Pacific	7,960	385	----	8,345	----	8,345
Hardhead	52,684	----	----	52,684	----	52,684
Herring, Pacific	1,726,966	----	----	1,726,966	----	1,726,966
Lingcod	1,357,191	49,106	----	1,406,297	----	1,406,297
Mackerel, jack	37,507,227	----	----	37,507,227	----	37,507,227
Mackerel, Pacific	37,602,134	----	----	37,602,134	----	37,602,134
Opaleye	4,861	----	----	4,861	----	4,861
Perch	212,851	----	----	212,851	----	212,851
Pompano, California	35,724	----	----	35,724	----	35,724
Rock bass	----	----	210	210	----	210
Rockfish	14,901,799	323,642	55,841	15,281,282	----	15,281,282
Sablefish	1,895,970	42,386	----	1,938,356	301,041	2,239,397
Salmon	6,769,057	105	----	6,769,162	115,889	6,885,051
Sanddab	463,035	3,649	----	466,684	----	466,684
Sardine	74,366,856	----	----	74,366,856	----	74,366,856
Sculpin	37,342	----	----	37,342	----	37,342
Sculpin, staghorn	444	----	----	444	----	444
Sea bass, black	10,085	----	239,824	249,909	----	249,909
Seabass, white	3,385,791	----	37,562	3,423,353	----	3,423,353
Shark	587,118	----	15,073	602,191	----	602,191
Sheep-head	8,749	----	1,484	10,233	----	10,233
Sierra	----	----	2,214	2,214	----	2,214
Skate	240,631	170	----	240,801	----	240,801
Smelt	551,800	----	145	551,945	----	551,945
Sole, Dover	6,137,667	1,189,753	----	7,327,420	----	7,327,420
Sole, English	4,468,884	148,607	----	4,617,491	----	4,617,491
Sole, petrale	2,401,407	231,022	----	2,632,429	----	2,632,429
Sole, rex	1,394,882	48,123	----	1,443,005	----	1,443,005
Sole, sand	95,322	443	----	95,765	----	95,765
Sole, miscellaneous	21,047	150	----	21,197	----	21,197
Splittail	1,074	----	----	1,074	----	1,074
Sturgeon	----	----	----	----	29,681	29,681
Swordfish	448,046	----	174	448,220	16,058	464,278
Tuna, albacore	32,522,331	218,133	----	32,740,464	29,741,982	62,482,446
Tuna, bigeye	----	----	----	----	2,211,649	2,211,649
Tuna, bluefin	13,126,174	----	2,169,236	15,295,410	522,128	15,817,538
Tuna, bluefin (Atlantic)	----	----	----	----	32,610	32,610
Tuna, skipjack	1,380,957	----	97,100,450	98,481,407	47,728,534	146,209,941
Tuna, yellowfin	81,676	----	108,288,171	108,369,847	102,622,211	210,992,058
Turbot	129,225	----	----	129,225	----	129,225
Wahoo	----	----	13,928	13,928	----	13,928
Whitebait	274,408	----	----	274,408	----	274,408
Whitefish, ocean	627	----	692	1,319	----	1,319
Yellowtail	207,187	----	24,097	231,284	----	231,284
Miscellaneous fish	4,873	----	89	4,962	158,493	163,455

TABLE 7—Continued

Origin of Commercial Fish Landings and Shipments Into California During 1959

Species	Landings from				Shipments[1]	Grand total
	California waters	Waters north of State	Waters south of State	Total pounds		
Crustacean:						
Crab, market	17,262,261	----	----	17,262,261	----	17,262,261
Crab, rock	129,534	----	----	129,534	----	129,534
Lobster, spiny	506,066	----	139	506,205	----	506,205
Shrimp, bay	35,011	----	----	35,011	----	35,011
Shrimp, ocean	1,785,228	----	----	1,785,228	----	1,785,228
Mollusk:						
Abalone	4,561,827	----	----	4,561,827	----	4,561,827
Clam, gaper	726	----	----	726	----	726
Clam, jackknife	9,336	----	----	9,336	----	9,336
Clam, Pismo	----	----	----	----	700,560	700,560
Clam, Washington	2,876	----	----	2,876	----	2,876
Octopus	2,627	46	----	2,673	----	2,673
Oyster, eastern	8,733	----	----	8,733	----	8,733
Oyster, giant Pacific	13,759,192	----	----	13,759,192	----	13,759,192
Oyster, native	7,580	----	----	7,580	----	7,580
Squid	19,653,013	----	----	19,653,013	----	19,653,013
Miscellaneous mollusk	614	----	----	614	----	614
Total pounds	**318,616,124**	**2,394,661**	**208,299,729**	**529,310,514**	**184,180,836**	**713,491,350**

[1] For origin of shipments refer to Table 6.

TABLE 8

Monthly Landings and Shipments Into California During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS:													
Fish:													
Anchovy	478,855	553,105	508,320	811,263	483,168	748,561	294,420	422,621	651,989	1,121,246	645,355	454,836	7,173,739
Barracuda, California	12,788	27,928	73,535	335,803	316,285	123,968	78,657	53,201	32,255	66,475	21,266	10,440	1,152,601
Bonito	53,493	258,927	3,844	518	1,053	1,751	590,049	353,456	602,943	329,829	742,454	73,299	3,011,616
Cabezon	352	819	1,242	447	1,161	1,268	1,898	158	191	448	619	885	9,488
Cabrilla	2,067	315	1,905	----	----	----	----	----	----	260	----	215	4,762
Carp	93,269	117,518	32,824	54,490	21,255	29,511	22,480	16,878	23,262	25,233	15,363	14,665	466,748
Croaker, white	273,072	85,611	108,708	225,283	135,594	37,744	28,795	102,460	55,396	39,513	179,942	262,264	1,534,382
Eel	----	----	----	----	200	103	200	----	----	----	----	----	503
Flounder	27,520	19,402	56,435	67,275	30,418	60,111	55,785	75,514	67,341	314,927	252,215	19,983	1,046,926
Flyingfish	----	----	----	855	1,170	5,013	10,110	5,593	6,203	945	----	----	29,889
Grouper	83,057	46,446	24,940	----	5,670	225	6,615	1,650	----	6,816	62,904	47,609	285,932
Hake	4,808	10,139	3,730	111,524	129,339	156,768	106,768	109,697	269,550	120,061	55,675	19,010	1,097,069
Halfmoon	85	----	318	----	50	52	----	122	21	----	1,243	1,737	3,628
Halibut, arrowtooth	2,390	10,426	18,765	54,230	132,094	139,967	79,722	123,972	93,226	86,117	43,111	3,234	787,254
Halibut, California	18,488	25,830	27,343	26,337	10,410	18,482	15,639	22,032	30,801	40,794	70,356	47,730	354,242
Halibut, Pacific	----	----	----	----	360	5,400	1,157	1,115	202	44	67	----	8,345
Hardhead	2,125	12,440	8,265	3,291	2,625	1,800	----	----	844	1,837	11,432	8,025	52,684
Herring, Pacific	659,680	723,655	320	4,450	102,933	182,372	50,675	120	----	----	----	2,761	1,726,966
Lingcod	25,189	48,731	75,655	101,946	140,071	153,202	226,760	174,571	153,772	138,165	116,415	51,820	1,406,297
Mackerel, jack	157,188	386,342	3,151,735	2,521,381	2,911,775	6,533,699	398,702	170,941	2,030,981	6,693,440	8,899,384	3,651,659	37,507,227
Mackerel, Pacific	920,277	133,137	1,719,641	2,636,461	722,540	857,771	4,291,952	2,670,889	4,799,937	9,976,916	5,766,330	3,106,283	37,602,134
Opaleye	1,547	180	315	568	230	74	366	59	35	----	577	910	4,861
Perch	16,325	15,926	36,814	37,744	177	----	15,623	28,495	16,239	18,702	19,409	7,397	212,851
Pompano, California	354	232	2,104	880	1,660	1,863	1,407	630	8,319	6,377	10,896	1,002	35,724
Rock bass	110	----	----	100	----	----	----	----	----	----	----	----	210
Rockfish	969,390	1,585,627	1,627,890	1,418,875	1,138,479	1,206,397	1,384,136	1,221,496	1,179,730	1,159,449	1,303,064	1,086,749	15,281,282
Sablefish	56,156	76,222	101,532	174,459	229,160	194,895	156,391	145,444	131,106	229,959	284,384	158,648	1,938,356
Salmon	463	----	----	390,330	1,136,031	1,085,046	2,988,773	1,041,891	126,628	----	----	----	6,769,162
Sanddab	61,166	14,448	21,936	15,700	18,622	25,508	67,161	61,399	39,278	61,032	52,159	28,275	466,684
Sardine	136,701	246,645	288,755	660,820	393,086	357,766	349,756	427,587	7,129,854	34,441,262	18,896,386	11,038,238	74,366,856
Sculpin	186	227	1,216	947	4,290	9,661	10,367	7,063	2,701	240	109	335	37,342
Sculpin, staghorn	----	----	----	----	----	----	----	----	301	143	----	----	444
Sea bass, black	3,912	3,538	11,160	7,661	10,609	35,288	34,512	37,258	58,344	20,025	12,111	15,491	249,909
Seabass, white	177,764	152,327	178,356	77,487	83,321	180,573	1,417,596	566,336	178,143	144,243	89,740	177,467	3,423,353
Shark	28,706	32,206	53,513	46,374	64,068	59,222	46,487	49,471	53,570	47,328	69,019	52,227	602,191

TABLE 8—Continued

Monthly Landings and Shipments Into California During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS:—Contiuued													
Fish—Continued													
Sheep-head	1,766	267	356	422	196	550	33	15	1,510	1,964	2,176	978	10,233
Sierra	214	2,000	----	----	----	----	----	----	----	----	----	----	2,214
Skate	15,424	15,372	21,584	20,378	55,752	43,686	7,531	14,567	10,240	10,220	15,123	10,924	240,801
Smelt	11,174	18,420	17,244	19,779	20,885	30,216	19,898	26,679	39,661	62,148	105,923	179,918	551,945
Sole, Dover	186,636	141,345	239,405	760,295	1,031,934	1,181,311	784,651	1,040,711	611,506	584,967	492,667	271,992	7,327,420
Sole, English	322,143	243,009	303,758	496,661	331,466	265,705	279,709	339,982	547,989	779,478	547,769	159,822	4,617,491
Sole, petrale	165,913	96,434	117,495	199,980	241,441	196,675	198,197	188,870	251,410	200,230	362,963	412,821	2,632,429
Sole, rex	87,074	112,364	138,876	152,256	114,837	101,218	89,141	141,496	118,129	145,269	140,149	102,196	1,443,005
Sole, sand	1,492	13,715	19,101	8,636	2,330	10,347	1,330	13,309	4,257	3,946	12,634	4,668	95,765
Sole, miscellaneous	2,116	5,063	1,914	460	1,527	3,187	3,569	528	422	233	848	1,330	21,197
Splittail	408	339	72	----	----	----	----	----	----	57	198	----	1,074
Swordfish	----	----	----	----	14,185	123,228	132,028	119,933	42,905	15,188	753	----	448,220
Tuna, albacore	----	----	----	----	----	50,976	7,789,600	10,913,109	8,829,606	4,758,641	390,519	8,013	32,740,464
Tuna, bluefin	28,696	205,395	56,081	4,085,681	265,062	408,033	4,787,374	4,327,190	1,129,850	----	1,253	795	15,295,410
Tuna, skipjack	7,373,227	6,028,428	4,036,579	9,296,668	8,511,616	14,848,385	11,893,209	11,581,408	7,465,291	9,180,961	4,837,318	3,428,317	98,481,407
Tuna, yellowfin	8,146,509	11,149,490	16,659,599	13,713,518	9,656,537	12,170,915	6,704,492	5,853,563	1,595,043	3,676,989	6,202,669	12,840,523	108,369,847
Turbot	4,157	4,262	5,267	13,785	10,527	15,538	8,922	14,974	8,332	8,402	22,285	12,774	129,225
Wahoo	2,474	420	6,383	----	3,655	----	996	----	----	----	----	----	13,928
Whitebait	9,411	26,183	28,355	40,180	71,182	71,034	23,767	4,064	232	----	----	----	274,408
Whitefish, ocean	125	----	----	122	25	100	147	----	200	----	200	400	1,319
Yellowtail	5,117	8,779	6,576	23,672	45,685	12,410	2,283	15,965	59,259	15,381	24,803	11,354	231,284
Miscellaneous fish	385	1,241	63	315	1,201	1,065	215	89	49	15	254	70	4,962
Crustacean:													
Crab, market	4,000,464	3,388,754	2,516,464	2,263,127	928,577	103,652	12,251	----	----	----	2,229,006	1,819,966	17,262,261
Crab, rock	11,794	7,687	13,958	14,862	14,884	16,770	15,718	14,625	7,116	4,406	3,727	3,987	129,534
Lobster, spiny	72,717	32,663	24,969	----	----	----	----	----	----	182,062	115,062	78,732	506,205
Shrimp, bay	2,915	5,697	3,665	4,890	4,730	9,835	3,249	----	30	----	----	----	35,011
Shrimp, ocean	----	----	----	----	467,031	604,398	458,870	6,765	248,164	----	----	----	1,785,228
Mollusk:													
Abalone	248,311	----	163,600	535,431	404,019	410,892	464,334	458,398	426,501	504,553	555,339	390,449	4,561,827
Clam, gaper	----	----	726	----	----	----	----	----	----	----	----	----	726
Clam, jackknife	364	325	591	814	1,243	1,579	1,653	1,157	648	435	344	183	9,336
Clam, Washington	234	192	1,648	556	103	----	----	----	----	----	32	111	2,876
Octopus	170	661	526	332	325	56	281	230	----	32	----	60	2,673

Oyster, eastern	1,393	1,111	605	242	700	1,048	479	584	1,236	716	----	619	8,733
Oyster, giant Pacific	1,411,733	1,469,407	1,060,241	1,152,899	1,245,536	337,501	283,325	409,044	1,666,211	1,397,125	1,731,660	1,594,510	13,759,192
Oyster, native	1,679	805	1,023	3,063	600	410	----	----	----	----	----	----	7,580
Squid	351,930	3,656,291	1,339,455	711,560	5,617,585	5,534,460	770,650	599,572	521,310	----	167,670	382,530	19,653,013
Miscellaneous mollusk	18	----	410	----	20	85	20	----	18	23	----	20	614
Total pounds	26,735,666	31,224,468	34,927,705	43,308,083	37,293,300	48,769,326	47,470,881	43,978,946	41,330,287	76,625,267	55,585,329	42,061,256	529,310,514
SHIPMENTS:[1]													
Fish:													
Sablefish	58,800	----	36,358	----	----	51,000	----	88,873	12,875	30,232	22,903	----	301,041
Salmon	40,627	39,236	6,206	13,669	----	----	439	2,201	1,872	----	10,500	1,139	115,889
Sturgeon	4,266	125	----	1,439	2,000	----	4,470	12,734	----	----	----	4,647	29,681
Swordfish	----	----	----	16,058	----	----	----	----	----	----	----	----	16,058
Tuna, albacore	1,790,120	3,762,450	5,097,746	4,170,263	1,968,645	1,189,676	933,228	2,606,583	398,780	2,311,243	3,385,669	2,127,579	29,741,982
Tuna, bigeye	120,400	320,000	356,000	367,000	274,000	30,000	----	568,860	----	137,190	38,199	----	2,211,649
Tuna, bluefin	----	----	----	----	42,964	----	279,852	127,038	----	----	----	72,274	522,128
Tuna, bluefin (Atlantic)	----	----	----	----	----	----	----	----	----	----	32,610	----	32,610
Tuna, skipjack	2,746,319	3,390,483	2,124,896	2,982,930	3,070,285	3,570,530	3,704,056	6,921,246	5,236,093	4,986,085	4,632,350	4,363,261	47,728,534
Tuna, yellowfin	12,106,061	8,589,230	9,858,772	9,500,949	9,300,116	10,710,441	10,409,333	10,274,060	4,137,882	8,406,718	4,036,355	5,292,291	102,622,211
Miscellaneous fish	19,000	800	----	400	193	175	58,885	20,875	14,215	----	34,940	9,010	158,493
Mollusk:													
Clam, Pismo	99,840	----	108,000	----	----	114,960	144,000	191,040	42,720	----	----	----	700,560
Tota lpounds	16,985,433	16,102,324	17,587,978	17,052,708	14,658,203	15,666,782	15,534,263	20,813,510	9,844,437	15,871,468	12,193,526	11,870,204	184,180,836
Grand total	**43,721,099**	**47,326,792**	**52,515,683**	**60,360,791**	**51,951,503**	**64,436,108**	**63,005,144**	**64,792,456**	**51,174,724**	**92,496,735**	**67,778,855**	**53,931,460**	**713,491,350**

[1] For origin of shipments refer to Table 6.

TABLE 9

Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California Waters:													
Fish:													
Flounder	21,484	5,183	5,596	33,667	3,179	4,748	50,894	57,909	57,611	296,140	208,146	7,690	752,247
Hake	4,808	9,942	2,788	107,147	118,927	132,722	99,324	97,732	261,645	105,862	52,154	7,195	1,000,246
Halibut, arrowtooth	490	1,341	15,730	43,963	114,888	126,577	68,457	105,944	86,216	85,427	42,736	3,094	694,863
Halibut, Pacific	----	----	----	----	36	5,339	1,157	1,115	202	44	67	----	7,960
Herring, Pacific	6,601	----	----	30	----	----	----	120	----	----	----	811	7,562
Lingcod	4,181	4,169	9,170	40,556	67,521	80,649	104,979	111,054	90,258	79,455	56,695	12,347	661,034
Perch	3,507	5,252	17,267	15,219	149	----	10,882	22,530	10,465	11,711	10,327	1,940	109,249
Rockfish	87,695	162,668	434,008	315,100	263,939	293,201	337,024	428,517	197,909	191,734	201,294	96,951	3,010,040
Sablefish	16,270	10,615	40,710	98,307	151,709	159,244	87,452	89,125	62,730	161,053	187,424	50,642	1,115,281
Salmon	----	----	----	105,411	632,223	548,969	287,670	206,204	71,342	----	----	----	1,851,819
Sanddab	3,857	2,807	8,744	10,528	9,212	16,031	23,463	27,330	13,584	27,845	17,059	7,279	167,739
Shark	----	210	----	----	80	----	130	910	----	31	221	105	1,687
Skate	300	----	100	2,845	44,648	32,280	900	----	----	----	348	----	81,421
Smelt	----	24	373	1,450	5,674	11,001	9,460	20,000	22,184	2,627	210	----	73,003
Sole, Dover	50,070	7,634	54,717	436,309	816,551	958,098	609,424	875,341	521,661	513,269	339,519	137,925	5,320,518
Sole, English	128,138	58,532	156,035	377,976	233,504	165,550	161,569	224,116	412,286	628,001	373,238	45,436	2,964,381
Sole, petrale	92,554	22,761	44,405	51,323	65,084	50,447	55,233	57,428	88,648	91,171	73,914	93,031	785,999
Sole, rex	25,972	21,468	46,387	86,901	79,992	77,059	65,965	110,707	73,713	89,944	61,736	24,305	764,149
Sole, sand	172	268	----	84	----	127	850	1,010	712	541	280	----	4,044
Sole, miscellaneous	1,798	4,474	428	102	80	----	----	----	----	200	645	505	8,232
Tuna, albacore	----	----	----	----	----	----	296	475,413	3,873,276	216,887	18,630	----	4,584,502
Tuna, skipjack	----	----	----	----	----	----	----	----	156	----	----	----	156
Turbot	1,189	1,109	1,037	2,135	----	413	1,817	2,117	182	480	1,455	3,802	15,736
Whitebait	8,766	24,294	27,005	34,775	60,473	63,405	19,024	2,039	185	----	----	----	239,966
Miscellaneous fish	----	----	----	----	860	885	----	----	----	----	52	----	1,797
Crustacean:													
Crab, market	3,716,754	3,097,721	2,276,677	2,134,771	837,818	100,915	12,251	----	----	----	----	703,723	12,880,630
Crab, rock	----	----	----	----	----	80	----	----	----	----	----	----	80
Shrimp, ocean	----	----	----	----	461,855	597,054	456,846	6,765	248,164	----	----	----	1,770,684

Mollusk:														
Clam, gaper	----	----	726	----	----	----	----	----	----	----	----	----	----	726
Clam, Washington	234	192	1,648	556	103	----	----	----	----	----	----	32	111	2,876
Octopus	25	148	123	----	30	42	65	70	----	32	----	----	----	535
Oyster, giant Pacific	1,201,200	1,197,000	834,750	1,064,700	1,149,750	266,700	225,750	323,400	1,567,818	1,268,400	1,526,700	1,310,400	11,936,568	
Oytser, native	1,679	805	391	2,668	----	----	----	----	----	----	----	----	----	5,543
Miscellaneous mollusk	----	----	410	----	----	----	----	----	----	23	----	----	----	433
Total pounds	5,377,744	4,638,617	3,979,225	4,966,523	5,118,285	3,691,536	2,690,882	3,246,896	7,660,947	3,770,877	3,172,882	2,507,292	50,821,706	
Waters North of State:														
Fish:														
Flounder	----	11	125	1,324	----	22	458	258	1,775	3,572	33,382	1,315	42,242	
Hake	----	197	942	2,777	6,212	21,431	7,164	6,000	6,965	1,509	2,641	----	55,838	
Halibut, arrowtooth	----	----	----	3,652	11,911	11,000	3,210	8,803	2,285	----	----	----	40,861	
Halibut, Pacific	----	----	----	----	324	61	----	----	----	----	----	----	385	
Lingcod	62	106	700	2,037	8,185	9,521	6,536	6,805	8,195	2,742	2,043	2,174	49,106	
Rockfish	28,587	41,261	24,583	14,043	29,715	27,760	25,200	25,441	43,901	17,533	27,229	18,389	323,642	
Sablefish	----	----	3,691	6,347	6,036	6,609	2,254	4,760	813	454	5,348	6,074	42,386	
Salmon	----	----	----	----	----	105	----	----	----	----	----	----	105	
Sanddab	----	187	1,286	75	44	177	500	453	----	290	464	173	3,649	
Skate	----	----	----	----	----	----	----	----	----	170	----	----	170	
Sole, Dover	----	----	89,125	222,116	159,813	195,960	128,803	119,196	56,618	22,975	116,614	78,533	1,189,753	
Sole, English	26	891	10,769	11,428	21,274	11,452	7,056	4,111	27,733	29,462	19,412	4,993	148,607	
Sole, petrale	3,622	313	2,649	10,300	80,381	45,236	17,763	11,846	37,962	9,370	7,870	3,710	231,022	
Sole, rex	423	129	2,630	8,551	8,079	6,921	4,221	2,761	3,107	2,940	6,488	1,873	48,123	
Sole, sand	----	----	----	----	----	----	----	369	----	----	44	30	443	
Sole, miscellaneous	----	----	----	----	----	----	----	150	----	----	----	----	150	
Tuna, albacore	----	----	----	----	----	----	----	7,078	----	----	----	----	7,078	
Mollusk:														
Octopus	----	----	----	----	----	----	46	----	----	----	----	----	46	
Total pounds	32,720	43,095	136,500	282,650	331,974	336,255	203,211	198,031	189,354	91,017	221,535	117,264	2,183,606	
SHIPMENTS:[1]														
Fish:														
Salmon	----	----	----	----	----	----	439	2,201	1,872	----	----	----	4,512	
Total pounds	----	----	----	----	----	----	439	2,201	1,872	----	----	----	4,512	
Grand total	**5,410,464**	**4,681,712**	**4,115,725**	**5,249,173**	**5,450,259**	**4,027,791**	**2,894,532**	**3,447,128**	**7,852,173**	**3,861,894**	**3,394,417**	**2,624,556**	**53,009,824**	

[1] For origin of shipments refer to Table 6.

TABLE 10

Monthly Landings and Shipments of Commercial Fish Into the San Francisco Area During 1959 [1]

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy	----	----	----	----	545	1,660	3,500	20,900	2,600	800	----	----	30,005
Cabezon	----	20	----	----	----	----	----	----	----	190	----	----	210
Carp	93,269	117,518	32,824	54,490	21,255	29,511	22,480	16,878	23,262	25,233	15,363	14,665	466,748
Croaker, white	45	10	8	570	90	604	225	310	295	677	100	----	2,934
Flounder	5,415	10,145	46,289	29,620	25,455	54,015	4,245	16,845	7,943	14,930	9,765	10,047	234,714
Hake	----	----	----	1,600	----	----	----	865	940	6,345	680	11,815	22,245
Halibut, arrowtooth	1,900	9,085	3,035	6,615	5,295	2,390	8,055	9,225	4,725	690	375	140	51,530
Halibut, California	956	1,676	548	60	63	35	584	5,244	1,600	132	10,886	12,498	34,282
Hardhead	2,125	12,440	8,265	3,291	2,625	1,800	----	----	844	1,837	11,432	8,025	52,684
Herring, Pacific	653,079	723,505	320	----	----	----	300	----	----	----	----	1,950	1,379,154
Lingcod	7,897	29,592	43,148	39,077	40,419	42,351	81,379	42,359	34,585	39,379	19,483	15,009	434,678
Mackerel, jack	----	----	----	----	----	24	710	334	315	----	----	----	1,413
Perch	4,249	3,391	12,211	9,155	----	----	871	1,293	855	1,674	2,282	2,737	38,718
Rockfish	290,869	661,128	417,500	527,751	299,137	195,509	280,384	285,214	530,076	482,442	480,997	471,382	4,922,389
Sablefish	39,497	64,897	56,736	68,200	68,725	15,130	41,370	43,785	60,425	65,180	82,038	93,008	698,991
Salmon	463	----	----	195,647	395,461	458,840	2,646,177	834,150	52,204	----	----	----	4,582,942
Sanddab	17,918	10,794	11,375	3,905	3,720	1,315	27,080	22,457	15,660	23,601	19,285	16,230	173,340
Sculpin, staghorn	----	----	----	----	----	----	----	----	301	143	----	----	444
Seabass, white	22	34	----	----	----	----	194	941	111	51	11,353	11,075	23,781
Shark	6,487	4,774	12,017	1,553	1,455	2,068	2,905	8,365	9,399	4,898	9,519	14,385	77,825
Skate	12,900	10,875	16,540	15,500	10,435	10,550	6,090	10,530	9,000	10,050	10,700	5,900	129,070
Smelt	4,535	16,774	6,261	10,667	13,206	14,660	6,914	3,411	1,697	735	183	----	79,043
Sole, Dover	136,566	133,711	95,563	100,895	53,125	27,253	40,959	43,099	29,757	48,185	36,064	55,359	800,536
Sole, English	137,603	117,337	77,319	52,156	33,512	34,215	69,185	77,410	78,422	90,852	125,667	91,860	985,538
Sole, petrale	44,526	36,395	30,665	38,185	18,536	13,273	59,526	71,182	65,702	71,078	129,377	188,972	767,417
Sole, rex	47,943	78,282	83,122	48,582	21,420	15,075	16,700	24,785	32,715	46,110	57,125	60,315	532,174
Sole, sand	200	430	2,590	8,285	2,330	10,220	480	11,930	3,545	2,690	12,237	4,590	59,527
Sole, miscellaneous	----	----	----	----	----	----	----	33	----	----	83	----	116
Splittail	408	339	72	----	----	----	----	----	----	57	198	----	1,074
Swordfish	----	----	----	----	----	----	----	----	400	----	----	----	400

Tuna, albacore	----	----	----	----	----	----	420,680	803,271	1,211,872	1,036,599	157,702	1,547	3,631,671
Tuna, skipjack	----	----	----	----	----	----	----	----	----	641	631	----	1,272
Turbot	730	1,525	1,470	10,600	10,330	15,125	7,105	12,857	8,150	7,685	20,195	8,815	104,587
Whitebait	445	1,288	1,350	5,405	10,709	7,621	4,743	2,025	47	----	----	----	33,633
Miscellaneous fish	100	1,211	----	----	----	----	----	----	----	----	----	15	1,326
Crustacean:													
Crab, market	216,005	209,877	176,317	80,684	69,763	230	----	----	----	----	2,138,093	1,051,425	3,942,394
Shrimp, bay	2,915	5,697	3,665	4,890	4,730	9,835	3,249	----	30	----	----	----	35,011
Mollusk:													
Abalone	----	----	300	950	750	2,050	----	475	2,075	2,500	3,800	3,400	16,300
Octopus	----	105	107	105	120	----	65	160	----	----	----	60	722
Oyster, eastern	1,393	1,111	605	242	700	1,048	479	584	1,236	716	----	619	8,733
Oyster, giant Pacific	59,408	52,807	68,791	5,499	38,761	42,201	42,575	35,744	44,468	18,350	12,235	19,910	440,749
Oyster, native	----	----	632	395	600	410	----	----	----	----	----	----	2,037
Total pounds	1,789,868	2,316,773	1,209,645	1,324,574	1,153,272	1,009,018	3,799,239	2,406,661	2,235,256	2,004,260	3,378,038	2,175,753	24,802,357
SHIPMENTS:[2]													
Fish:													
Tuna, albacore	309,700	520,120	----	466,550	209,045	425,920	247,670	512,220	398,780	179,590	25,008	256,660	3,551,263
Tuna, bigeye	----	----	----	----	----	----	----	40,000	----	----	----	----	40,000
Tuna, bluefin	----	----	----	----	----	----	----	2,200	----	----	----	50,690	52,890
Tuna, bluefin (Atlantic)	----	----	----	----	----	----	----	----	----	----	32,610	----	32,610
Tuna, skipjack	----	----	----	----	----	----	----	202,860	----	----	139,460	----	342,320
Tuna, yellowfin	1,983,690	686,320	1,893,864	2,063,430	1,061,426	1,681,770	1,748,834	1,524,110	1,713,210	1,612,768	926,652	968,660	17,864,734
Total pounds	2,293,390	1,206,440	1,893,864	2,529,980	1,270,471	2,107,690	1,996,504	2,281,390	2,111,990	1,792,358	1,123,730	1,276,010	21,883,817
Grand total	**4,083,258**	**3,523,213**	**3,103,509**	**3,854,554**	**2,423,743**	**3,116,708**	**5,795,743**	**4,688,051**	**4,347,246**	**3,796,618**	**4,501,768**	**3,451,763**	**46,686,174**

[1] Includes Sacramento area landings.
[2] For origin of shipments refer to Table 6.

TABLE 11

Monthly Landings of Commercial Fishing Boats in the Monterey Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California Waters:													
Fish:													
Anchovy	2,200	----	5,600	100,068	9,338	27,820	51,240	34,111	21,586	21,456	97,860	1,500	372,779
Bonito	----	----	----	----	----	----	----	11,695	2,434	258	1,100	----	15,487
Cabezon	264	625	804	431	1,037	1,268	1,898	158	85	448	381	553	7,952
Croaker, white	141	55	6,705	938	2,162	10,309	11,502	15,478	11,665	18,657	11,013	624	89,252
Eel	----	----	----	----	200	103	200	----	----	----	----	----	503
Flounder	507	2,264	1,940	1,900	1,784	1,326	188	502	----	----	868	792	12,071
Hake	----	----	----	----	4,200	2,615	280	5,100	----	6,345	200	----	18,740
Halibut, California	493	749	630	714	273	528	1,049	3,500	165	9	582	526	9,218
Herring, Pacific	----	----	----	4,420	102,933	182,372	50,375	----	----	----	----	----	340,100
Lingcod	6,016	10,381	15,113	8,068	13,947	16,085	26,129	11,068	14,145	13,800	17,475	10,336	162,563
Mackerel, jack	----	53	589,030	1,671,110	528,550	94,770	4,416	66,576	1,701,730	1,151,105	3,636,377	1,462,658	10,906,375
Mackerel, Pacific	----	----	24,250	286,820	47,807	42,148	4,315	9,220	205,345	450,446	1,034,117	202,779	2,307,247
Perch	89	1,214	1,311	4,813	6	----	1,998	281	175	----	612	153	10,652
Pompano, California	----	----	2	----	14	168	----	----	4,740	3,090	9,370	130	17,514
Rockfish	356,422	409,024	504,264	290,172	352,999	492,579	535,719	350,693	284,051	373,759	407,127	341,154	4,697,963
Sablefish	330	----	----	540	880	13,637	21,950	5,359	6,633	2,657	9,354	6,621	67,961
Salmon	----	----	----	69,913	89,589	58,202	47,916	1,103	2,965	----	----	----	269,688
Sanddab	36,604	452	510	592	4,067	7,741	15,770	11,029	9,973	9,296	15,351	4,478	115,863
Sardine	----	8,000	2,500	----	30,781	128,761	283,171	391,022	3,504,971	10,539,241	8,434,596	6,562,463	29,885,506
Seabass, white	655	633	15,823	1,314	218	9,312	37,731	44,774	85,570	109,818	5,850	2,057	313,755
Shark	391	960	2,317	1,571	2,047	3,839	14,341	16,923	13,057	11,717	9,681	6,633	83,477
Skate	1,576	2,633	3,867	1,212	646	856	541	4,037	1,240	----	3,816	5,024	25,448
Smelt	1,051	480	85	6,075	1,855	35	1,489	2,085	5,117	6,532	2,954	1,787	29,545
Sole, Dover	----	----	----	----	----	----	400	725	1,060	60	----	175	2,420
Sole, English	6,630	11,811	19,661	26,709	25,592	25,161	17,308	18,108	8,635	20,340	14,915	5,987	200,857
Sole, petrale	1,981	4,411	6,071	10,533	10,929	12,737	16,835	9,529	7,746	5,046	3,075	1,446	90,339
Sole, rex	2,900	2,734	2,008	1,605	3,243	1,648	1,060	2,168	5,099	5,630	5,574	7,384	41,053
Sole, miscellaneous	42	420	470	72	1,237	2,828	3,465	338	422	33	118	403	9,848
Tuna, albacore	----	----	----	----	----	904	465,585	807,851	899,616	110,042	8,735	----	2,292,733
Tuna, skipjack	----	----	----	----	----	----	----	----	----	410	----	----	410

Turbot	----	----	----	----	178	----	----	----	----	185	----	----	363
Whitebait	200	601	----	----	----	8	----	----	----	----	----	----	809
Miscellaneous fish	----	----	----	----	----	55	----	----	----	----	105	----	160
Crustacean:													
Crab, market	14,742	21,967	13,698	6,545	3,202	----	----	----	----	----	39,621	24,424	124,199
Mollusk:													
Octopus	86	23	45	60	----	14	20	----	----	----	----	----	248
Squid	----	600	----	687,795	5,617,585	5,523,630	770,650	599,572	521,310	----	167,670	363,230	14,252,042
Miscellaneous mollusk	----	----	----	----	20	40	20	----	----	----	----	20	100
Grand total	**433,323**	**480,090**	**1,216,704**	**3,183,990**	**6,857,319**	**6,661,499**	**2,387,561**	**2,423,005**	**7,319,535**	**12,860,380**	**13,938,497**	**9,013,337**	**66,775,240**

TABLE 12

Monthly Landings of Commercial Fishing Boats in the Santa Barbara Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy	65,400	36,000	42,250	225,660	110,705	185,576	91,335	41,950	10,900	----	----	----	809,776
Barracuda, California	----	2,802	39,490	213,654	47,667	8,279	1,352	408	9,024	45,541	15,563	10,149	393,929
Bonito	997	637	565	138	381	-- -	3,351	7,441	30,526	7,594	38,149	34,109	123,888
Cabezon	88	174	438	16	124	----	----	----	106	- --	48	332	1,326
Croaker, white	284	----	90	----	145	20	590	----	----	219	290	----	1,638
Flounder	114	1,799	2,485	764	----	----	----	----	12	285	54	139	5,652
Halibut, California	12,896	18,862	18,573	20,087	6,304	15,087	13,575	11,342	6,867	13,498	18,886	22,909	178,886
Herring, Pacific	----	150	----	----	----	----	----	----	----	----	----	----	150
Lingcod	6,928	4,260	7,359	12,196	9,964	4,555	7,720	3,264	6,568	2,628	20,719	11,954	98,115
Mackerel, jack	----	92,690	1,377,840	89,230	1,143,910	1,774,910	106,870	100,400	----	188,197	236,832	289,950	5,400,829
Mackerel, Pacific	432,118	----	41,029	----	----	----	2,128	21,000	146,500	74,134	35,540	489,723	1,242,172
Opaleye	----	180	----	----	----	----	----	----	----	----	----	----	180
Perch	8,480	6,069	6,025	8,557	22	----	1,872	4,284	4,744	5,317	6,188	2,567	54,125
Rockfish	126,660	197,442	135,220	162,318	138,831	114,699	143,827	96,523	93,740	57,691	129,957	82,387	1,479,295
Sablefish	30	710	395	1,065	1,810	----	3,365	2,415	505	615	220	2,053	13,183
Salmon	----	----	----	19,359	18,758	18,227	7,010	434	117	----	----	----	63,905
Sanddab	2,188	85	----	575	1,125	----	260	----	----	----	----	115	4,348
Sardine	43,540	96,000	139,000	242,800	183,200	138,250	12,000	----	1,484,920	1,993,305	711,718	481,050	5,525,783
Sculpin	----	----	----	160	----	----	----	----	----	----	----	----	160
Sea bass, black	----	260	----	37	682	260	----	----	----	----	----	42	1,281
Seabass, white	54,571	49,124	32,647	13,361	10,552	22,463	112,893	54,391	25,309	11,575	46,118	123,407	556,411
Shark	8,819	4,974	6,106	7,146	11,946	7,965	2,718	4,718	4,597	6,366	11,973	13,405	90,733
Sheep-head	394	108	40	----	----	45	33	----	----	221	86	60	987
Skate	423	1,788	1,077	454	----	----	----	----	----	----	20	----	3,762
Smelt	----	----	----	----	----	----	----	----	----	----	----	185	185
Sole, Dover	----	----	----	975	2,445	----	5,065	2,350	2,410	478	470	----	14,193
Sole, English	49,746	54,438	39,974	28,392	17,584	29,327	24,591	16,237	20,913	10,823	14,537	11,546	318,108
Sole, petrale	23,230	32,554	33,705	89,639	66,511	74,982	48,840	38,885	51,352	23,565	148,727	125,662	757,652
Sole, rex	9,836	9,751	4,729	6,617	2,103	515	1,195	1,075	3,495	645	9,226	8,319	57,506
Sole, sand	1,120	13,017	16,511	267	----	----	----	----	----	715	73	48	31,751

Sole, miscellaneous	240	169	990	236	137	324	104	----	----	----	----	422	2,622
Swordfish	----	----	----	----	911	13,109	33,135	60,803	18,911	9,586	----	----	136,455
Tuna, albacore	----	----	----	----	----	----	1,027,169	2,495,992	480,299	80,441	1,085	----	4,081,986
Tuna, bluefin	----	----	----	----	----	----	102,230	----	----	----	----	----	102,230
Tuna, skipjack	----	----	----	----	----	----	----	35	66	----	----	----	101
Turbot	2,238	1,628	2,760	1,050	19	----	----	----	----	52	635	157	8,539
Yellowtail	----	----	----	171	1,377	75	52	109	21,035	7,417	7,595	437	38,268
Miscellaneous fish	280	----	4	----	42	11	81	78	20	----	----	55	571
Crustacean:													
Crab, market	52,963	59,189	49,772	41,127	17,794	2,507	----	----	----	----	51,292	40,394	315,038
Crab, rock	1,556	2,610	5,470	8,952	7,848	8,064	5,895	3,567	1,474	440	48	194	46,118
Lobster, spiny	21,829	14,023	13,159	----	----	----	----	----	----	23,981	20,658	20,206	113,856
Shrimp, ocean	----	----	----	----	5,176	7,344	2,024	----	----	----	----	----	14,544
Mollusk:													
Abalone	119,283	----	106,013	334,279	236,197	246,604	245,893	200,893	262,425	341,088	392,452	227,565	2,712,692
Octopus	59	385	251	167	175	----	85	----	----	----	----	----	1,122
Oyster, giant Pacific	151,125	219,600	156,700	82,700	57,025	28,600	15,000	49,900	53,925	110,375	192,725	264,200	1,381,875
Squid	----	----	----	----	----	----	----	----	----	----	----	19,000	19,000
Grand total	**1,197,435**	**921,478**	**2,280,667**	**1,612,149**	**2,101,470**	**2,701,798**	**2,022,258**	**3,218,494**	**2,740,760**	**3,016,792**	**2,111,884**	**2,282,741**	**26,207,926**

TABLE 13

Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy	411,255	517,105	460,470	483,785	362,580	533,505	148,345	325,660	616,903	1,098,990	547,495	453,336	5,959,429
Barracuda, California	649	4,762	7,891	101,047	246,732	105,352	62,716	37,614	13,216	20,409	3,152	45	603,585
Bonito	44,856	257,446	3,267	252	203	1,475	585,332	332,774	568,890	321,951	702,647	39,090	2,858,183
Croaker, white	272,479	85,546	101,905	223,775	133,002	26,606	16,478	86,672	43,436	19,960	168,539	261,640	1,440,038
Flyingfish	----	----	----	855	1,170	5,013	10,110	5,593	6,203	945	----	----	29,889
Halfmoon	85	----	318	----	50	52	----	122	21	----	1,243	1,737	3,628
Halibut, California	2,656	4,424	7,061	4,841	536	771	221	73	508	15,720	20,106	3,890	60,807
Lingcod	105	72	93	12	35	41	17	21	21	161	----	----	578
Mackerel, jack	157,188	293,599	1,184,865	761,041	1,239,315	4,663,995	286,676	3,631	328,936	5,354,138	5,026,175	1,899,051	21,198,610
Mackerel, Pacific	487,032	133,128	1,650,094	2,345,022	674,733	813,499	4,283,507	2,638,078	4,438,418	9,415,574	4,695,169	2,412,896	33,987,150
Opaleye	1,547	----	315	568	230	74	366	59	35	----	577	910	4,681
Perch	----	----	----	----	----	----	----	107	----	----	----	----	107
Pompano, California	354	232	2,102	880	1,646	1,695	1,407	630	3,579	3,287	1,526	872	18,210
Rockfish	65,612	58,689	67,538	67,736	38,754	55,395	52,971	27,738	21,158	26,879	38,673	61,898	583,041
Sablefish	29	----	----	----	----	275	----	----	----	----	----	250	554
Salmon	----	----	----	----	----	703	----	----	----	----	----	----	703
Sanddab	599	123	21	25	454	244	88	130	61	----	----	----	1,745
Sardine	93,161	142,645	147,255	418,020	179,105	90,755	54,585	36,565	2,138,018	21,908,716	9,750,072	3,994,725	38,953,622
Sculpin	75	221	776	481	3,702	9,141	10,247	6,596	2,532	209	32	335	34,647
Sea bass, black	321	423	13	122	177	136	520	----	592	90	38	115	2,547
Seabass, white	97,267	76,437	111,548	35,867	47,415	116,103	898,775	328,426	43,091	5,360	16,233	23,708	1,800,230
Shark	6,725	7,426	21,946	21,753	25,399	33,298	19,939	14,467	20,041	12,347	13,990	6,838	204,169
Sheep-head	374	39	262	208	96	75	----	----	156	495	479	103	2,287
Skate	225	76	----	367	23	----	----	----	----	----	239	----	930
Smelt	5,470	1,115	10,525	1,436	150	4,520	2,035	1,183	10,663	52,254	102,576	177,946	369,873
Sole, miscellaneous	36	----	26	50	73	35	----	7	----	----	2	----	229
Swordfish	----	----	----	----	9,781	94,167	90,991	56,983	21,271	3,571	753	----	277,517
Tuna, albacore	----	----	----	----	----	40,490	4,559,653	5,413,387	2,164,096	1,973,505	174,159	----	14,325,290
Tuna, bluefin	----	----	----	4,020,066	83,753	104,449	3,507,059	3,556,868	855,035	----	----	----	12,127,230
Tuna, skipjack	176,530	11	----	----	----	----	15,750	993,530	192,510	559	----	----	1,378,890
Tuna, yellowfin	----	----	----	----	----	----	----	57,281	24,385	----	----	----	81,666
Whitefish, ocean	125	----	----	----	25	100	147	----	200	----	----	30	627
Yellowtail	4,222	5,739	3,183	7,888	29,595	8,577	1,173	10,350	32,452	3,276	12,600	9,088	128,143
Miscellaneous fish	----	16	59	237	117	105	134	----	29	15	----	----	712

Crustacean:													
Crab, rock	9,786	4,973	8,488	5,910	7,036	8,626	9,823	11,058	5,642	2,846	2,603	3,621	80,412
Lobster, spiny	36,483	10,865	6,339	----	----	----	----	----	----	85,229	57,066	40,353	236,335
Mollusk:													
Abalone	109,305	----	35,386	148,121	125,690	119,823	150,010	197,890	121,115	121,990	75,408	127,839	1,332,577
Squid	351,930	3,631,011	1,339,455	23,765	----	10,830	----	----	----	----	----	300	5,357,291
Miscellaneous mollusk	18	----	----	----	----	45	----	----	18	----	----	----	81
Total pounds	2,336,499	5,236,123	5,171,201	8,674,130	3,211,577	6,850,270	14,769,075	14,143,493	11,673,231	40,448,476	21,411,552	9,520,616	143,446,243
Waters south of State:													
Fish:													
Barracuda, California	----	7,829	3,550	2,435	----	----	----	----	----	----	2,215	----	16,029
Bonito	1,071	249	----	----	283	----	153	----	----	----	----	----	1,756
Cabrilla	2,067	----	1,905	----	----	----	----	----	----	260	----	215	4,447
Grouper	83,057	44,195	24,940	----	5,480	225	6,615	1,650	----	6,816	62,904	36,079	271,961
Rock bass	110	----	----	100	----	----	----	----	----	----	----	----	210
Rockfish	1,875	13,855	11,865	6,600	----	4,428	----	----	----	----	6,415	2,830	47,868
Sea bass, black	3,023	1,639	10,408	7,280	5,245	34,400	33,460	36,985	38,495	17,095	8,325	11,269	207,624
Seabass, white	40	----	----	----	----	----	----	----	----	----	----	----	40
Sierra	214	1,900	----	----	----	----	----	----	----	----	----	----	2,114
Swordfish	----	----	----	----	----	174	----	----	----	----	----	----	174
Tuna, bluefin	28,696	205,395	33,014	2,966	119,411	2,875	646,039	753,652	274,815	----	1,253	625	2,068,741
Tuna, skipjack	2,942,031	2,575,313	1,346,254	4,669,305	5,106,118	11,408,555	8,332,078	9,865,725	6,120,013	6,686,389	3,514,255	2,186,602	64,752,638
Tuna, yellowfin	4,006,444	7,547,337	14,464,542	10,325,390	8,060,671	9,936,442	4,766,996	5,476,615	1,394,313	2,855,395	5,903,187	11,221,014	85,958,346
Wahoo	2,324	420	6,383	----	3,655	----	996	----	----	----	----	----	13,778
Yellowtail	----	2,488	1,053	10,760	720	----	----	----	----	----	769	45	15,835
Miscellaneous fish	----	----	----	----	----	----	----	----	----	----	89	----	89
Total pounds	7,070,952	10,400,620	15,903,914	15,024,836	13,301,583	21,387,099	13,786,337	16,134,627	7,827,636	9,565,955	9,499,412	13,458,679	153,361,650
SHIPMENTS:[1]													
Fish:													
Sablefish	58,800	----	36,358	----	----	51,000	----	88,873	12,875	30,232	22,903	----	301,041
Salmon	40,627	39,236	6,206	13,669	----	----	----	----	----	----	10,500	1,139	111,377
Sturgeon	4,266	125	----	1,439	2,000	----	4,470	12,734	----	----	----	4,647	29,681
Swordfish	----	----	----	16,058	----	----	----	----	----	----	----	----	16,058
Tuna, albacore	1,480,420	2,740,454	4,748,986	2,968,147	1,729,405	763,756	685,558	2,080,466	----	1,946,079	3,260,337	1,666,805	24,070,413
Tuna, bigeye	60,400	----	----	----	----	----	----	452,860	----	137,190	38,199	----	688,649
Tuna, bluefin	----	----	----	----	42,964	----	279,852	124,838	----	----	----	21,584	469,238
Tuna, skipjack	2,715,176	2,537,062	2,124,896	2,960,349	1,732,408	2,608,996	3,056,547	3,532,627	3,395,932	3,557,201	1,573,761	4,361,575	34,156,530
Tuna, yellowfin	9,094,167	6,986,238	7,794,424	6,523,326	7,824,748	8,398,008	8,152,641	6,826,950	1,955,254	5,456,546	2,217,003	4,261,435	75,490,740
Miscellaneous fish	19,000	800	----	400	193	----	58,885	20,875	14,215	----	34,940	9,010	158,318
Mollusk:													
Clam, Pismo	99,840	----	108,000	----	----	114,960	144,000	191,040	42,720	----	----	----	700,560
Total pounds	13,572,696	12,303,915	14,818,870	12,483,388	11,331,718	11,936,720	12,381,953	13,331,263	5,420,996	11,127,248	7,157,643	10,326,195	136,192,605
Grand total	**22,980,147**	**27,940,658**	**35,893,985**	**36,182,354**	**27,844,878**	**40,174,089**	**40,937,365**	**43,609,383**	**24,921,863**	**61,141,679**	**38,068,607**	**33,305,490**	**433,000,498**

[1] For origin of shipments refer to Table 6.

TABLE 14

Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California Waters:													
Fish:													
Anchovy	----	----	----	1,750	----	----	----	----	----	----	----	----	1,750
Barracuda, California	4,003	7,065	16,371	18,667	20,301	10,337	14,589	14,866	6,035	79	336	246	112,895
Bonito	402	----	12	128	186	276	1,213	1,546	1,093	26	518	100	5,500
Croaker, white	120	----	----	----	195	205	----	----	----	----	----	----	520
Halibut, California	1,469	119	531	635	3,234	2,061	210	279	17,045	8,821	19,782	7,907	62,093
Lingcod	----	151	72	----	----	----	----	----	----	----	----	----	223
Mackerel, Pacific	1,127	9	4,268	4,619	----	2,124	2,002	2,591	9,674	36,762	1,504	885	65,565
Rockfish	11,670	41,560	32,912	34,124	10,812	20,239	9,011	7,370	8,895	9,348	11,372	11,758	209,071
Sardine	----	----	----	----	----	----	----	----	1,945	----	----	----	1,945
Sculpin	111	6	440	306	588	220	120	467	169	31	77	----	2,535
Sea bass, black	568	861	739	222	525	492	532	273	616	857	532	40	6,257
Seabass, white	24,341	26,099	18,338	26,945	25,136	32,245	368,003	137,031	8,992	5,796	1,468	17,220	691,614
Shark	6,284	13,862	11,127	14,351	23,141	11,614	6,454	4,088	5,376	6,744	15,325	10,861	129,227
Sheep-head	998	120	54	214	100	430	----	15	741	854	1,134	815	5,475
Smelt	----	----	----	151	----	----	----	----	----	----	----	----	151
Swordfish	----	----	----	----	3,493	15,778	7,902	2,147	2,323	2,031	----	----	33,674
Tuna, albacore	----	----	----	----	----	9,582	1,316,217	910,117	200,447	1,130,112	30,208	6,466	3,603,149
Tuna, bluefin	----	----	----	62,649	61,898	223,281	532,046	16,670	----	----	----	170	896,714
Tuna, skipjack	----	----	----	----	----	----	----	----	----	128	----	----	128
Tuna, yellowfin	----	----	----	----	----	----	10	----	----	----	----	----	10
Yellowtail	816	391	2,255	4,853	13,953	3,758	1,058	5,506	4,449	1,389	564	1,784	40,776
Miscellaneous fish	5	14	----	78	182	9	----	11	----	----	8	----	307
Crustacean:													
Crab, rock	452	104	----	----	----	----	----	----	----	1,120	1,076	172	2,924
Lobster, spiny	14,405	7,775	5,471	----	----	----	----	----	----	72,852	37,199	18,173	155,875
Mollusk:													
Abalone	19,723	----	21,901	52,081	41,382	42,415	68,431	59,140	40,886	38,975	83,679	31,645	500,258
Clam, jackknife	364	325	591	814	1,243	1,579	1,653	1,157	648	435	344	183	9,336
Squid	----	24,680	----	----	----	----	----	----	----	----	----	----	24,680
Total pounds	86,858	123,141	115,082	222,587	206,369	376,645	2,329,451	1,163,274	309,334	1,316,360	205,126	108,425	6,562,652

Waters North of State:													
Fish:													
Tuna, albacore	----	----	----	----	----	----	----	----	----	211,055	----	----	211,055
Total pounds	----	----	----	----	----	----	----	----	----	211,055	----	----	211,055
Waters South of State:													
Fish:													
Barracuda, California	8,136	5,470	6,233	----	1,585	----	----	313	3,980	446	----	----	26,163
Bonito	6,167	595	----	----	----	----	----	----	----	----	40	----	6,802
Cabrilla	----	315	----	----	----	----	----	----	----	----	----	----	315
Grouper	----	2,251	----	----	190	----	----	----	----	----	----	11,530	13,971
Halibut, California	18	----	----	----	----	----	----	1,594	4,616	2,614	114	----	8,956
Rockfish	----	----	----	1,031	4,292	2,587	----	----	----	63	----	----	7,973
Sea bass, black	----	355	----	----	3,980	----	----	----	18,641	1,983	3,216	4,025	32,200
Seabass, white	868	----	----	----	----	450	----	773	15,070	11,643	8,718	----	37,522
Shark	----	----	----	----	----	438	----	----	1,100	5,225	8,310	----	15,073
Sheep-head	----	----	----	----	----	----	----	----	613	394	477	----	1,484
Sierra	----	100	----	----	----	----	----	----	----	----	----	----	100
Smelt	118	27	----	----	----	----	----	----	----	----	----	----	145
Tuna, bluefin	----	----	23,067	----	----	77,428	----	----	----	----	----	----	100,495
Tuna, skipjack	4,254,666	3,453,104	2,690,325	4,627,363	3,405,498	3,439,830	3,545,381	722,118	1,152,546	2,492,834	1,322,432	1,241,715	32,347,812
Tuna, yellowfin	4,140,065	3,602,153	2,195,057	3,388,128	1,595,866	2,234,473	1,937,486	319,667	176,345	821,594	299,482	1,619,509	22,329,825
Wahoo	150	----	----	----	----	----	----	----	----	----	----	----	150
Whitefish, ocean	----	----	----	122	----	----	----	----	----	----	200	370	692
Yellowtail	79	161	85	----	40	----	----	----	1,323	3,299	3,275	----	8,262
Crustacean:													
Lobster, Spiny	----	----	----	----	----	----	----	----	----	----	139	----	139
Total pounds	8,410,267	7,064,531	4,914,767	8,016,644	5,011,451	5,755,206	5,482,867	1,044,465	1,374,234	3,340,095	1,646,403	2,877,149	54,938,079
SHIPMENTS:[1]													
Fish:													
Tuna, albacore	----	501,876	348,760	735,566	30,195	----	----	13,897	----	185,574	100,324	204,114	2,120,306
Tuna, bigeye	60,000	320,000	356,000	367,000	274,000	30,000	----	76,000	----	----	----	----	1,483,000
Tuna, skipjack	31,143	853,421	----	22,581	1,337,877	961,534	647,509	3,185,759	1,840,161	1,428,884	2,919,129	1,686	13,229,684
Tuna, yellowfin	1,028,204	916,672	170,484	914,193	413,942	630,663	507,858	1,923,000	469,418	1,337,404	892,700	62,199	9,266,737
Miscellaneous fish	----	----	----	----	----	175	----	----	----	----	----	----	175
Total pounds	1,119,347	2,591,969	875,244	2,039,340	2,056,014	1,622,372	1,155,367	5,198,656	2,309,579	2,951,862	3,912,153	267,999	26,099,902
Grand total	**9,616,472**	**9,779,641**	**5,905,093**	**10,278,571**	**7,273,834**	**7,754,223**	**8,967,685**	**7,406,395**	**3,993,147**	**7,819,372**	**5,763,682**	**3,253,573**	**87,811,688**

[1] For origin of shipments refer to Table 6.

TABLE 15

Value of Landings and Shipments of Commercial Fish Into California by Area, 1959

Species	Eureka	San Francisco[1]	Monterey	Santa Barbara	Los Angeles	San Diego	Total
LANDINGS:							
Fish:							
Anchovy	----	30,005	372,779	809,776	5,959,429	1,750	7,173,739
	----	$897	$12,935	$11,175	$75,088	$70	$100,165
Barracuda, California	----	----	----	393,929	619,614	139,058	1,152,601
	----	----	----	$39,195	$58,306	$16,771	$114,272
Bonito	----	----	15,487	123,888	2,859,939	12,302	3,011,616
	----	----	$737	$5,326	$110,964	$533	$117,560
Cabezon	----	210	7,952	1,326	----	----	9,488
	----	$21	$258	$78	----	----	$357
Cabrilla	----	----	----	----	4,447	315	4,762
	----	----	----	----	$685	$44	$729
Carp	----	466,748	----	----	----	----	466,748
	----	$21,752	----	----	----	----	$21,752
Croaker, white	----	2,934	89,252	1,638	1,440,038	520	1,534,382
	----	$197	$8,479	$91	$38,806	$43	$47,616
Eel	----	----	503	----	----	----	503
	----	----	$14	----	----	----	$14
Flounder	794,489	234,714	12,071	5,652	----	----	1,046,926
	$38,057	$11,524	$833	$312	----	----	$50,726
Flyingfish	----	----	----	----	29,889	----	29,889
	----	----	----	----	$7,012	----	$7,012
Grouper	----	----	----	----	271,961	13,971	285,932
	----	----	----	----	$54,065	$2,332	$56,397
Hake	1,056,084	22,245	18,740	----	----	----	1,097,069
	$21,122	$334	$157	----	----	----	$21,613
Halfmoon	----	----	----	----	3,628	----	3,628
	----	----	----	----	$848	----	$848
Halibut, arrowtooth	735,724	51,530	----	----	----	----	787,254
	$16,554	$1,979	----	----	----	----	$18,533
Halibut, California	----	34,282	9,218	178,886	60,807	71,049	354,242
	----	$6,946	$2,033	$40,696	$14,509	$15,375	$79,559
Halibut, Pacific	8,345	----	----	----	----	----	8,345
	$1,789	----	----	----	----	----	$1,789
Hardhead	----	52,684	----	----	----	----	52,684
	----	$12,977	----	----	----	----	$12,977
Herring, Pacific	7,562	1,379,154	340,100	150	----	----	1,726,966
	$199	$12,137	$21,733	$11	----	----	$34,080
Lingcod	710,140	434,678	162,563	98,115	578	223	1,406,297
	$49,567	$26,863	$14,403	$6,751	$64	$17	$97,665
Mackerel, jack	----	1,413	10,906,375	5,400,829	21,198,610	----	37,507,227
	----	$66	$255,210	$117,738	$523,606	----	$896,620
Mackerel, Pacific	----	----	2,307,247	1,242,172	33,987,150	65,565	37,602,134
	----	----	$51,220	$27,327	$876,869	$2,852	$958,268
Opaleye	----	----	----	180	4,681	----	4,861
	----	----	----	$13	$550	----	$563
Perch	109,249	38,718	10,652	54,125	107	----	212,851
	$16,055	$5,147	$1,136	$12,057	$12	----	$34,407
Pompano, California	----	----	17,514	----	18,210	----	35,724
	----	----	$7,319	----	$2,925	----	$10,244
Rock, bass	----	----	----	----	210	----	210
	----	----	----	----	$36	----	$36
Rockfish	3,333,682	4,922,389	4,697,963	1,479,295	630,909	217,044	15,281,282
	$131,317	$206,392	$216,583	$65,932	$68,057	$21,236	$709,517
Sablefish	1,157,667	698,991	67,961	13,183	554	----	1,938,356
	$73,744	$22,438	$2,093	$755	$33	----	$99,063
Salmon	1,851,924	4,582,942	269,688	63,905	703	----	6,769,162
	$749,795	$2,135,254	$120,600	$30,915	$417	----	$3,036,981
Sanddab	171,388	173,340	115,863	4,348	1,745	----	466,684
	$10,541	$9,361	$6,569	$217	$369	----	$27,057
Sardine	----	----	29,885,506	5,525,783	38,953,622	1,945	74,366,856
	----	----	$597,710	$137,039	$740,118	$78	$1,474,945
Sculpin	----	----	----	160	34,647	2,535	37,342
	----	----	----	$13	$10,349	$656	$11,018
Sculpin, staghorn	----	444	----	----	----	----	444
	----	$22	----	----	----	----	$22
Sea bass, black	----	----	----	1,281	210,171	38,457	249,909
	----	----	----	$125	$30,264	$4,876	$35,265
Seabass, white	----	23,781	313,755	556,411	1,800,270	729,136	3,423,353
	----	$5,111	$45,933	$86,689	$233,676	$92,017	$463,426
Shark	1,687	77,825	83,477	90,733	204,169	144,300	602,191
	$71	$3,138	$4,421	$7,417	$22,332	$13,087	$50,466
Sheep-head	----	----	----	987	2,287	6,959	10,233
	----	----	----	$55	$145	$543	$743
Sierra	----	----	----	----	2,114	100	2,214
	----	----	----	----	$128	$6	$134
Skate	81,591	129,070	25,448	3,762	930	----	240,801
	$18	$1,381	$362	$211	$103	----	$2,075

TABLE 15—Continued

Value of Landings and Shipments of Commercial Fish Into California by Area, 1959

Species	Eureka	San Francisco[1]	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Smelt	73,003	79,043	29,545	185	369,873	296	551,945
	$3,895	$6,995	$1,610	$4	$8,143	$25	$20,672
Sole, Dover	6,510,271	800,536	2,420	14,193	----	----	7,327,420
	$353,508	$39,786	$113	$671	----	----	$394,078
Sole, English	3,112,988	985,538	200,857	318,108	----	----	4,617,491
	$218,532	$61,005	$12,755	$20,074	----	----	$312,366
Sole, petrale	1,017,021	767,417	90,339	757,652	----	----	2,632,429
	$111,567	$82,114	$9,079	$77,508	----	----	$280,268
Sole, rex	812,272	532,174	41,053	57,506	----	----	1,443,005
	$48,005	$29,855	$2,098	$3,163	----	----	$83,121
Sole, sand	4,487	59,527	----	31,751	----	----	95,765
	$449	$5,155	----	$3,150	----	----	$8,754
Sole, miscellaneous	8,382	116	9,848	2,622	229	----	21,197
	$349	$6	$928	$149	$29	----	$1,461
Splittail	----	1,074	----	----	----	----	1,074
	----	$303	----	----	----	----	$303
Swordfish	----	400	----	136,455	277,691	33,674	448,220
	----	$136	----	$49,493	$107,216	$13,086	$169,931
Tuna, albacore	4,591,580	3,631,671	2,292,733	4,084,986	14,325,290	3,814,204	32,740,464
	$729,602	$620,866	$404,897	$764,709	$2,830,677	$732,709	$6,083,460
Tuna, bluefin	----	----	----	102,230	14,195,971	997,209	15,295,410
	----	----	----	$15,335	$1,770,238	$105,106	$1,890,679
Tuna, skipjack	156	1,272	410	101	66,131,528	32,347,940	98,481,407
	$11	$169	$43	$8	$6,930,584	$3,493,578	$10,424,393
Tuna, yellowfin	----	----	----	----	86,040,012	22,329,835	108,369,847
	----	----	----	----	$11,159,390	$2,909,577	$14,068,967
Turbot	15,736	104,587	363	8,539	----	----	129,225
	$1,519	$4,205	$16	$424	----	----	$6,164
Wahoo	----	----	----	----	13,778	150	13,928
	----	----	----	----	$4,784	$53	$4,837
Whitebait	239,966	33,633	809	----	----	----	274,408
	$19,102	$4,281	$201	----	----	----	$23,584
Whitefish, ocean	----	----	----	----	627	692	1,319
	----	----	----	----	$41	$63	$104
Yellowtail	----	----	----	38,268	143,978	49,038	231,284
	----	----	----	$1,752	$12,727	$4,227	$18,706
Miscellaneous fish	1,797	1,326	160	571	801	307	4,962
	$61	$21	$2	$49	$166	$69	$368
Crustacean:							
Crab, market	12,880,630	3,942,394	124,199	315,038	----	----	17,262,261
	$1,872,844	$627,629	$22,418	$53,399	----	----	$2,576,290
Crab, rock	80	----	----	46,118	80,412	2,924	129,534
	----	----	----	$1,780	$7,205	$73	$9,058
Lobster, spiny	----	----	----	113,856	236,335	156,014	506,205
	----	----	----	$62,633	$145,677	$98,132	$306,442
Shrimp, bay	----	35,011	----	----	----	----	35,011
	----	$5,455	----	----	----	----	$5,455
Shrimp, ocean	1,770,684	----	----	14,544	----	----	1,785,228
	$176,713	----	----	$1,454	----	----	$178,167
Mollusk:							
Abalone	----	16,300	----	2,712,692	1,332,577	500,258	4,561,827
	----	$2,608	----	$339,683	$114,301	$40,637	$497,229
Clam, gaper	726	----	----	----	----	----	726
	$108	----	----	----	----	----	$108
Clam, jackknife	----	----	----	----	----	9,336	9,336
	----	----	----	----	----	$3,661	$3,661
Clam, Washington	2,876	----	----	----	----	----	2,876
	$448	----	----	----	----	----	$448
Octopus	581	722	248	1,122	----	----	2,673
	$14	$31	$27	$71	----	----	$143
Oyster, eastern	----	8,733	----	----	----	----	8,733
	----	$2,838	----	----	----	----	$2,838
Oyster, giant Pacific	11,936,568	440,749	----	1,381,875	----	----	13,759,192
	$238,731	$38,918	----	$27,638	----	----	$305,287
Oyster, native	5,543	2,037	----	----	----	----	7,580
	$55	$616	----	----	----	----	$671
Squid	----	----	14,252,042	19,000	5,357,291	24,680	19,653,013
	----	----	$262,238	$380	$78,217	$891	$341,726
Miscellaneous mollusk	433	----	100	----	81	----	614
	$77	----	$11	----	$15	----	$103
Total pounds	53,005,312	24,802,357	66,775,240	26,207,926	296,807,893	61,711,786	529,310,514
Total value	$4,884,419	$4,016,929	$2,087,174	$2,013,665	$26,039,746	$7,572,423	$46,614,356

TABLE 15—Continued

Value of Landings and Shipments of Commercial Fish into California by Area, 1959

Species	Eureka	San Francisco[1]	Monterey	Santa Barbara	Los Angeles	San Diego	Total
SHIPMENTS:[2]							
Fish:							
Sablefish	----	----	----	----	**301,041**	----	**301,041**
	----	----	----	----	$49,130	----	$49,130
Salmon	**4,512**	----	----	----	**111,377**	----	**115,889**
	$2,520	----	----	----	$57,983	----	$60,503
Sturgeon	----	----	----	----	**29,681**	----	**29,681**
	----	----	----	----	$14,612	----	$14,612
Swordfish	----	----	----	----	**16,058**	----	**16,058**
	----	----	----	----	$2,047	----	$2,047
Tuna, albacore	----	**3,551,263**	----	----	**24,070,413**	**2,120,306**	**29,741,982**
	----	$691,076	----	----	$4,260,463	$347,306	$5,298,845
Tuna, bigeye	----	**40,000**	----	----	**688,649**	**1,483,000**	**2,211,649**
	----	$4,752	----	----	$68,176	$298,380	$371,308
Tuna, bluefin	----	**52,890**	----	----	**469,238**	----	**522,128**
	----	$6,463	----	----	$55,792	----	$62,255
Tuna, bluefin (Atlantic)	----	**32,610**	----	----	----	----	**32,610**
	----	$4,892	----	----	----	----	$4,892
Tuna, skipjack	----	**342,320**	----	----	**34,156,530**	**13,229,684**	**47,728,534**
	----	$26,872	----	----	$3,490,797	$1,446,004	$4,963,673
Tuna, yellowfin	----	**17,864,734**	----	----	**75,490,740**	**9,266,737**	**102,622,211**
	----	$2,595,746	----	----	$9,685,462	$1,312,170	$13,593,378
Miscellaneous fish	----	----	----	----	**158,318**	**175**	**158,493**
	----	----	----	----	$57,169	$11	$57,180
Mollusk:							
Clam, Pismo	----	----	----	----	**700,560**	----	**700,560**
	----	----	----	----	$17,373	----	$17,373
Total pounds	**4,512**	**21,883,817**	----	----	**136,192,605**	**26,099,902**	**184,180,836**
Total value	$2,520	$3,329,801	----	----	$17,759,004	$3,403,871	$24,495,196
GRAND TOTAL POUNDS	**53,009,824**	**46,686,174**	**66,775,240**	**26,207,926**	**433,000,498**	**87,811,688**	**713,491,350**
GRAND TOTAL VALUE	$4,886,939	$7,346,730	$2,087,174	$2,013,665	$43,798,750	$10,976,294	$71,109,552

[1] Includes Sacramento area landings.
[2] For origin of shipments refer to Table 6.

TABLE 16

Value of Landings and Shipments by Port, Eureka Area, 1959

	Value	Pounds
EUREKA AREA TOTALS	**$4,886,939**	**53,009,824**
Eureka		
Market crab	$702,482	4,831,378
Albacore	492,492	3,099,384
Salmon	329,677	812,155
Giant Pacific oyster	238,731	11,936,568
Dover sole	145,379	2,677,330
English sole	88,781	1,264,687
Petrale sole	38,813	353,812
Rockfish	33,311	801,356
Rex sole	22,832	386,320
Flounder	15,650	326,720
Sablefish	14,621	229,528
Lingcod	12,757	182,765
Perch	10,593	71,230
Whitebait	7,342	92,233
Sanddab	6,466	105,135
All other	10,334	268,317
Totals	$2,170,261	27,438,918
Crescent City		
Market crab	$830,977	5,715,110
Ocean shrimp	130,436	1,306,978
Salmon	115,807	286,119
Albacore	18,132	114,109
Whitebait	7,527	94,556
All other	22,677	338,066
Totals	$1,125,556	7,854,938
Fort Bragg		
Salmon	$296,691	734,392
Albacore	218,771	1,376,783
Market crab	106,632	733,369
Dover sole	89,226	1,643,202
Sablefish	44,990	706,280
Ocean shrimp	44,191	442,800
Rockfish	36,440	949,194
English sole	23,161	329,932
Lingcod	15,360	220,064
Petrale sole	9,994	91,106
Rex sole	8,874	150,158
All other	9,379	267,683
Totals	$903,709	7,644,963
Fields Landing		
Dover sole	$118,345	2,179,462
English sole	101,868	1,451,104
Market crab	87,869	604,326
Petrale sole	61,155	557,471
Rockfish	59,682	1,536,702
Hake	20,079	1,003,972
Flounder	17,984	375,440
Lingcod	16,976	243,208
Rex sole	15,674	265,219
Sablefish	14,131	221,833
Arrowtooth halibut	11,717	520,739
All other	7,540	92,609
Totals	$533,020	9,052,085
Trinidad		
Market crab	$144,840	996,147
All other	4,604	11,882
Totals	$149,444	1,008,029
All other ports		
All other	$4,949	10,891
Totals	$4,949	10,891

TABLE 17

Value of Landings and Shipments by Port, San Francisco Area, 1959 [1]

	Value	Pounds
SAN FRANCISCO AREA TOTALS	**$7,346,730**	**46,686,174**
San Francisco		
Yellowfin tuna	$2,595,746	17,864,734
Albacore	945,572	5,043,034
Salmon	483,836	1,038,497
Market crab	347,206	2,180,941
Rockfish	163,085	3,878,453
Petrale sole	66,977	625,952
Dover sole	33,713	678,327
English sole	30,880	498,869
Skipjack	27,020	343,468
Rex sole	17,530	312,481
Sablefish	17,330	539,863
Lingcod	16,583	268,335
Sanddab	7,249	134,241
Bluefin tuna	6,463	52,890
California halibut	5,546	27,375
Flounder	5,058	103,018
All other	36,480	565,299
Totals	$4,806,274	34,155,777
Bodega Bay		
Salmon	$709,966	1,523,860
Market crab	166,724	1,047,259
English sole	21,920	354,124
Rockfish	21,734	506,296
Albacore	15,185	89,008
Rex sole	6,499	115,843
Petrale sole	5,191	48,510
Lingcod	5,175	83,735
All other	15,199	293,216
Totals	$967,593	4,061,851
Point Reyes (Drakes Bay)		
Salmon	$557,726	1,197,094
Market crab	44,487	279,439
Giant Pacific oyster	32,234	365,053
Rockfish	21,560	537,341
Petrale sole	9,946	92,955
English sole	8,205	132,545
Rex sole	5,826	103,850
Lingcod	5,094	82,433
All other	15,548	352,413
Totals	$700,626	3,143,123
Oakland		
Albacore	$296,351	1,737,109
Salmon	89,843	192,838
Market crab	5,752	36,132
All other	183	813
Totals	$392,129	1,966,892
Sausalito		
Salmon	$209,552	449,746
Albacore	48,217	282,631
Market crab	39,950	250,944
All other	21	173
Totals	$297,740	983,494
Princeton		
Salmon	$71,656	153,801
Market crab	22,395	140,674
All other	5,234	33,383
Totals	$99,285	327,858

TABLE 17—Continued

Value of Landings and Shipments by Port, San Francisco Area, 1959 [1]

	Value	Pounds
Tomales Bay		
Pacific herring	$11,704	1,330,005
Giant Pacific oyster	6,684	75,696
All other	5,924	31,459
Totals	$24,312	1,437,160
Clear Lake		
Carp	$13,869	297,600
Hardhead	9,754	39,600
Totals	$23,623	337,200
Berkeley		
Salmon	$12,224	26,173
All other	2,941	18,211
Totals	$15,165	44,384
All other ports		
Carp	$7,883	169,148
Albacore	4,945	21,351
All other	7,155	37,936
Totals	$19,983	228,435

[1] Includes Sacramento area landings.

TABLE 18

Value of Landings by Port, Monterey Area, 1959

	Value	Pounds
MONTEREY AREA TOTALS	**$2,087,174**	**66,775,240**
Monterey		
Sardine	$433,036	21,651,801
Squid	227,646	12,372,060
Rockfish	207,256	4,541,619
Jack mackerel	192,725	8,236,110
Albacore	113,681	643,720
Pacific mackerel	40,876	1,841,280
Salmon	13,295	29,746
Lingcod	12,168	137,337
English sole	10,984	172,972
Petrale sole	7,135	70,992
Anchovy	6,335	182,560
Sanddab	5,596	98,697
White seabass	5,290	36,135
All other	19,055	268,881
Totals	$1,295,078	50,283,910
Moss Landing		
Albacore	$285,616	1,617,305
Sardine	163,042	8,152,120
Salmon	85,639	191,439
Jack mackerel	62,192	2,657,760
Squid	34,459	1,872,750
White seabass	21,382	146,053
Market crab	19,534	108,223
Pacific herring	18,396	287,881
Pacific mackerel	9,696	436,770
All other	5,728	144,989
Totals	$705,684	15,615,290
Santa Cruz		
Salmon	$21,666	48,503
White seabass	19,261	131,567
Rockfish	8,421	142,561
White croaker	6,428	67,667
Albacore	5,600	31,708
All other	25,036	454,034
Totals	$86,412	876,040

TABLE 19

Value of Landings by Port, Santa Barbara Area, 1959

	Value	Pounds
SANTA BARBARA AREA TOTALS	**$2,013,665**	**26,207,926**
Morro Bay		
Albacore	$599,705	3,203,554
Abalone	79,620	585,054
Sardine	49,192	1,983,550
Rockfish	46,253	1,036,515
Petrale sole	40,206	393,019
Market crab	38,756	228,647
White seabass	36,567	234,702
Giant Pacific oyster	27,638	1,381,875
Perch	11,692	51,599
Salmon	7,967	16,355
English sole	7,174	113,685
All other	25,340	336,118
Totals	$970,110	9,564,673
Santa Barbara		
Abalone	$221,175	1,816,471
Spiny lobster	53,614	97,462
California halibut	33,586	147,632
Swordfish	29,675	81,816
White seabass	29,380	188,577
Petrale sole	16,610	162,370
California barracuda	16,088	161,692
Rockfish	13,246	308,809
English sole	10,099	160,041
Albacore	5,295	28,285
All other	11,130	304,870
Totals	$439,898	3,458,025
Port Hueneme		
Jack mackerel	$116,552	5,346,429
Sardine	86,049	3,469,733
Pacific mackerel	24,425	1,110,238
Abalone	16,968	150,468
Bluefin tuna	15,335	102,230
Swordfish	13,739	37,880
California barracuda	12,779	128,437
Anchovy	11,175	809,776
White seabass	10,369	66,553
All other	13,841	129,792
Totals	$321,232	11,351,536
Port San Luis (Avila)		
Albacore	$159,709	853,147
Salmon	22,909	47,469
Petrale sole	20,692	202,263
Market crab	14,643	86,391
White seabass	10,141	65,089
Abalone	7,974	58,460
California barracuda	6,806	68,398
All other	18,969	332,302
Totals	$261,843	1,713,519
All other ports		
Abalone	$13,946	102,239
All other	6,636	17,934
Totals	$20,582	120,173

TABLE 20

Value of Landings and Shipments by Port, Los Angeles Area, 1959

	Value	Pounds
LOS ANGELES AREA TOTALS	**$43,798,750**	**433,000,498**
Terminal Island		
Yellowfin tuna	$20,811,629	161,274,603
Skipjack	10,421,372	100,287,974
Albacore	7,075,230	38,315,185
Bluefin tuna	1,714,357	13,769,677
Pacific mackerel	660,705	25,608,706
Sardine	562,343	29,597,022
Jack mackerel	344,724	13,956,431
Bonito	85,313	2,198,801
Bigeye tuna	68,176	688,649
Squid	59,976	4,107,940
Anchovy	24,489	1,943,557
Swordfish	12,700	43,649
Spiny lobster	5,464	8,864
All other	4,443	65,455
Totals	$41,850,921	391,866,513
San Pedro		
White seabass	$159,795	1,231,083
Bluefin tuna	111,673	895,532
Pacific mackerel	77,575	3,006,769
Spiny lobster	73,717	119,592
Rockfish	50,834	473,688
Grouper	47,643	239,655
California barracuda	42,979	456,736
Anchovy	38,746	3,075,093
Sardine	33,434	1,759,703
Yellowfin tuna	33,197	255,949
Swordfish	31,059	80,443
Black sea bass	29,705	206,288
Bonito	23,714	611,188
Jack mackerel	23,676	958,557
White croaker	22,611	830,749
Squid	13,978	957,377
Albacore	12,004	60,747
California halibut	10,037	42,066
Sculpin	9,404	31,484
Yellowtail	9,062	102,514
Shark	7,848	72,221
All other	17,389	222,159
Totals	$880,080	15,689,593
Newport Beach		
Abalone	$109,520	1,277,067
Pacific mackerel	75,585	2,929,670
Swordfish	62,061	160,738
White seabass	39,881	307,250
Spiny lobster	32,354	52,488
Shark	13,374	121,719
Jack mackerel	8,591	347,810
Grouper	5,165	25,981
All other	25,425	192,145
Totals	$371,956	5,414,868
Wilmington		
Jack mackerel	$119,525	4,839,067
Sardine	87,407	4,600,357
Pacific mackerel	50,258	1,947,987
White croaker	16,166	608,253
Anchovy	6,032	478,767
Smelt	5,067	251,514
All other	1,579	40,700
Totals	$286,034	12,766,645

TABLE 20—Continued

Value of Landings and Shipments by Port, Los Angeles Area, 1959

	Value	Pounds
Los Angeles		
Salmon	$57,983	111,377
Sablefish	49,130	301,041
Pismo clam	16,314	657,840
Sturgeon	14,612	29,681
All other	50,308	139,318
Totals	$188,347	1,239,257
Long Beach		
Sardine	$56,352	2,965,880
Jack mackerel	27,086	1,096,595
Spiny lobster	18,572	30,130
Rockfish	13,876	117,217
Pacific mackerel	12,103	469,098
All other	10,756	671,146
Totals	$138,745	5,350,066
Santa Monica		
White seabass	$27,588	212,541
California barracuda	12,748	135,474
Spiny lobster	10,173	16,504
All other	6,853	121,095
Totals	$57,362	485,614
Redondo Beach		
Rock crab	$7,069	78,895
All other	4,166	39,498
Totals	$11,235	118,393
All other ports		
All other	$14,070	69,549
Totals	$14,070	69,549

TABLE 21

Value of Landings and Shipments by Port, San Diego Area, 1959

	Value	Pounds
SAN DIEGO AREA TOTALS	**$10,976,294**	**87,811,688**
San Diego		
Skipjack	$4,939,582	45,577,624
Yellowfin tuna	4,221,746	31,596,562
Albacore	1,080,015	5,934,510
Bigeye tuna	298,380	1,483,000
Bluefin tuna	105,088	997,039
White seabass	89,544	709,540
Spiny lobster	87,114	138,496
Abalone	40,637	500,258
Rockfish	20,022	204,129
California barracuda	15,156	125,674
California halibut	14,122	65,258
Swordfish	13,086	33,674
Shark	13,066	144,062
All other	19,801	219,732
Totals	$10,957,359	87,729,558
Oceanside		
Spiny lobster	$5,557	8,835
All other	6,490	51,800
Totals	$12,047	60,635
All other ports		
Spiny lobster	$5,461	8,683
All other	1,427	12,812
Totals	$6,888	21,495

TABLE 22

Statewide Party Boat [1] Catch and Angler Days, 1950 Through 1959

Species	Number of fish									
	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
Albacore	118,087	75,924	187,267	23,363	20,098	78,688	65,814	41,540	6,482	39
Barracuda, California	256,367	269,545	336,862	170,550	282,552	154,962	87,603	577,184	782,723	1,195,585
Halibut, California	85,935	59,295	34,158	34,292	59,674	35,802	21,661	10,795	16,192	25,365
Kelp bass[2]	619,397	781,609	536,075	711,395	876,667	497,343	470,362	609,071	653,671	428,426
Rockfish	679,164	721,808	705,761	696,480	1,149,367	1,737,707	2,036,708	1,395,151	1,561,132	1,177,979
Salmon	56,337	71,970	86,472	98,723	119,911	128,978	114,505	44,701	52,676	55,945
Seabass, white	54,718	44,367	41,043	28,182	41,588	30,103	19,755	19,030	34,039	10,593
Yellowtail	6,971	23,721	59,263	27,702	40,872	36,468	29,198	242,686	123,384	457,350
All other	313,437	302,405	319,232	489,471	683,808	413,832	417,389	559,427	720,581	977,293
Total number of fish	**2,190,413**	**2,350,644**	**2,306,133**	**2,280,158**	**3,274,537**	**3,113,883**	**3,262,995**	**3,499,585**	**3,950,880**	**4,328,575**
Number of angler days	544,264	556,949	588,087	502,146	532,190	496,286	523,063	536,175	515,152	557,154

[1] Does not include barges.
[2] Includes sand bass.

TABLE 23

Recorded Catch of Live Bait for Saltwater Sportfishing, 1959

Species	Thousands of Pounds[1]
Anchovy	9,475
Croaker, white	17
Mackerel, unclassified	42
Queenfish	41
Sardine	2,201
Sardine, "firecrackers"	10
Smelt	21
Total pounds	11,807

[1] Using a coversion factor of 12.5 pounds per live bait scoop, weights are estimated from voluntary records submitted by 16 boats. The weight of a scoop of live bait varies between 10 and 15 pounds. The records represent almost all of the live bait landings, however they should be regarded as minimal.

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